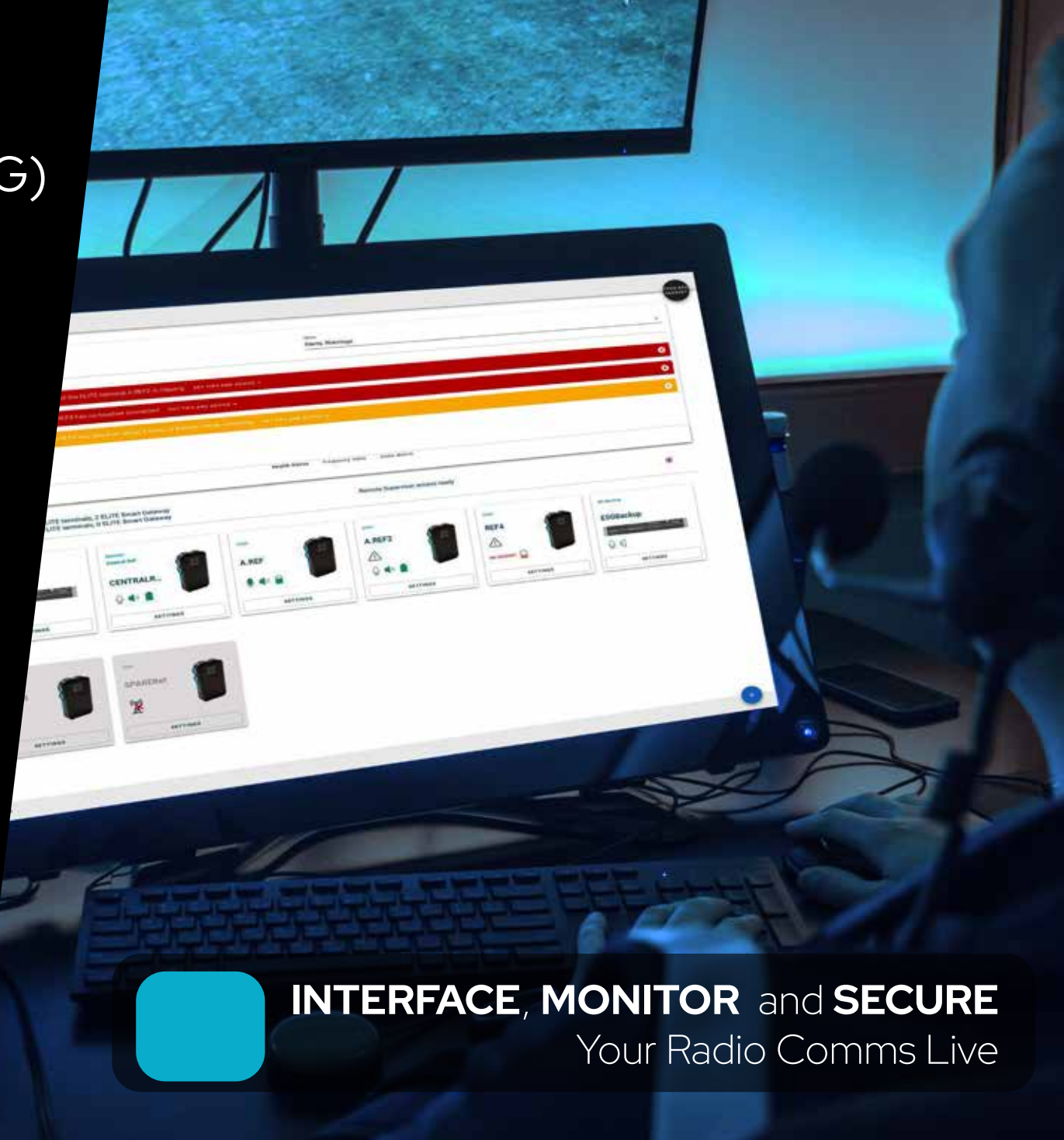


VOKKERO

ELITE SMART GATEWAY (ESG)



INTERFACE, MONITOR and **SECURE**
Your Radio Comms Live

Key benefits of the ELITE SMART GATEWAY for **INTEGRATORS**

VOKKERO

ELITE SMART GATEWAY (ESG)

Guarantee the success of your servicing

The ESG is a wireless audio gateway enabling remote live operation to guarantee the most reliable communication between VARs and on-field referees.

- **RADIO INTERFERENCE:** Visualize frequency Scan with possibility to change channels remotely without latency.
- **HEADSET DISCONNECTION:** Receive live notifications of issues on the VOKKERO system.
- **CONFIGURATION MISTAKES:** (Re)configure gains, volumes and roles settings live.
- **INTERFACING AUDIO WITH BROADCAST:** Provide multiple and configurable audio mixes with different audio protocols.
- **TECHNICAL MISCOMMUNICATION FROM PITCH TO VOR:** Set a parallel and private audio conference for technicians.





Key benefits of the ELITE SMART GATEWAY for
LEAGUES, FEDERATIONS AND EVENT ORGANIZERS

Maximise the
gains of video
refereeing

 **VOKKERO**

ELITE SMART GATEWAY (ESG)

The ESG is a wireless audio gateway enabling remote live operation to guarantee the most reliable communication between VARs and on-field referees.

- **PUBLIC IMAGE:** Avoid VAR issues impacting the image of the League thanks to the monitoring.
- **PUBLIC ANNOUNCEMENT:** Explain VAR decisions with clear audio and safe functioning, open/close being triggered either from pitch and/or from the VOR.
- **AFTER-GAME EXPERIENCE:** Enhance fan engagement with central referee audio mix available for recording.



Audio settings available via the ELITE SMART GATEWAY

1

Multiple audio interfaces

Analog audio (through XLR 4-wires) or DANTE digital audio protocol (through RJ45 or optical fiber) are available to interface smoothly with any equipment.

2

Several audio mixes for VAR and PA

Different audio outputs give access to specific audio mixes in parallel: all ELITE terminals, central referee only, pitch-technician, central referee when Public Announcement is activated... All mixes are customizable.

3

Operator mode

A second audio conference (parallel to the VAR comms) is possible through the same ESG. So that VAR service providers technicians can discuss and react to events in collaboration from VOR to stadiums.



Contents of the ELITE SMART GATEWAY

Elite Smart Gateway Device

The most innovative and latest wireless audio interface developed by VOGO. Set up on pitch-side, it is the brain of the operations. It allows remote live operation to guarantee the most reliable communication between VARs and on-field referees.

Wireless Interface for Audio Backup

The provided WI enables a secondary audio line between VAR(s) and on-field referees. Connected to a 4-wire audio equipment, it allows permanent communication even in case of failure of the ESG, thus avoiding any audio disruption.

Monitoring Dashboard

The Monitoring Dashboard enables the live management of all the communication systems. It can be accessed via a web browser from the pitch or from the VOR.

Maintenance Contract

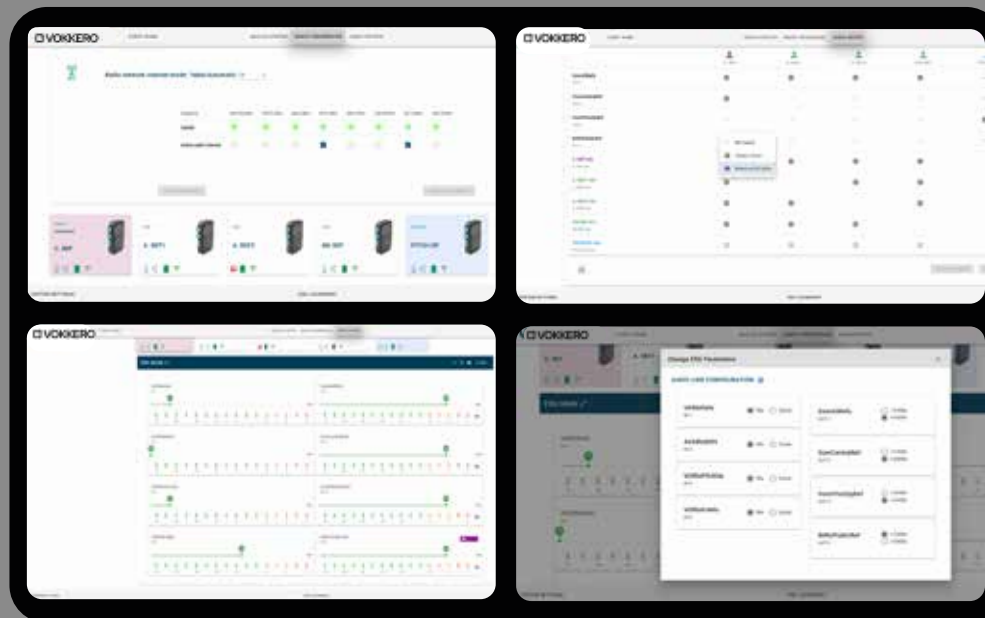
The ESG is covered by VOGO's maintenance contract. Our teams support to set up or deploy the ESG all year long.



The ELITE SMART GATEWAY Dashboard features

Monitoring

- Receive live notifications on the conditions of VOKKERO terminals, examine their operation, make the right decisions using the advice offered on each alert.
- Remotely configure the roles of VOKKERO terminals and correct any initial configuration errors.
- Configure the audio matrix of VOKKERO systems.
- Check the battery life, the quality of the reception and the radio transmission of each terminal.
- Change the radio frequency at any time to ensure the best audio clarity.
- Remotely configure the audio settings of the VOKKERO terminals as well as the whistle sound level.
- Extract a full report of the events of a match.



Specific Focus on Public Announcement

Audio for Public announcement is available from the ESG and triggering this output can be done:

- From the pitch, the central referee can activate the public announcement at any time using a PTT-button on his belt.
- From the VOR, the VAR referee can also activate the public announcement by pressing a physical button VOGO can provide.
- From an operator: the public announcement can be triggered by an operator from the Monitoring Dashboard.



Main technical specifications

The ELITE SMART GATEWAY

- Size: 483 x 253 x 88 mm
- Integration: 2U - 19 inches
- Integrated redundant power supply: 100 - 240 VAC - Maximum 50 W
- Temperature/Humidity (non-condensing) not operating: -5°C to 70°C / Max 95%
- Temperature/Humidity (non-condensing) not operating: 0°C to 50°C / 5% to 90%

Analog Input card

- 4 balanced 4-wire analog audio inputs
- 4 professional XLR male connectors

Analog Output card

- 4 balance analog 4-wire audio outputs
- Pre-configured audio mixes for VAR applications
- 4 Dynamic professional XLR male connectors > 115 dB (A-weighted)

ELITE SMART GATEWAY card

- RJ45 connector for access to monitoring data
- USB-A and USB-B connectors for wired pairing and software updates
- Network role identification LED

Dual 5 port Gigabit Switch card

- Two linkable 5 ports full speed gigabit Ethernet switches 8 x RJ45 Gigabit connectors
- 2 x SFP cages for two additional compact hot-pluggable SFP (mini-GBIC) transceivers available in many formats
- Mono-mode or Multimode Fibre Gigabit SFP transceiver
- Single Fibre Bi-Directional Gigabit SFP transceiver
- Copper/Ethernet Cabling Gigabit SFP transceiver

Dante card

- Connectors: EtherCon RJ45-XL and 2 x RJ45 connectors
- Dante operating modes: Redundant integrated Gigabit switch
- Sampling: 24 bits
- Sample rates: 44.1 kHz, 48 kHz, 88,2kHz and 96kHz
- Synchronisation: Automatic from Dante network

1

Front

- Analog Input card
- Analog Output card
- ELITE SMART GATEWAY card
- Dual 5 ports Gigabit switch
- Dante audio card
- SMART GATEWAY supervision interface



2

Back

- Integrated redundant power supply



Contact us to experience our solutions!



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