VOKKERO UNITY

COMHEAD

Headset Company

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User Guide

≡ Version   1.0

💡 This document applies to the following products:
-VOK-UNITY-EU(Ref: VO8350AAU)
-VOK-ELITE/UNITY-CHARGER (Ref: VO8363AA)

▼ TABLE OF CONTENT

▼ PRÉAMBULE / PREAMBLE / PRÄAMBEL / PREAMBOLO

- Ce guide décrit les fonctionnalités du système Vokkero®, ses options et ses accessoires. Il explique comment le configurer pour permettre une communication de type conférence entre plusieurs utilisateurs.

- This guide describes the functionality of the system Vokkero®, options and accessories. It explains how to configure it to allow a conference-type communication between multiple users.

- Diese Anleitung beschreibt die Funktionalität des Systems Vokkero®, Optionen und Zubehör. Es erklärt, wie man es konfigurieren, um eine Konferenz-Art der Kommunikation zwischen mehreren Benutzern zu ermöglichen.

- Esta guía describe la funcionalidad del sistema Vokkero®, opciones y accesorios. En él se explica cómo configurarlo para permitir una comunicación de tipo conferencia entre múltiples usuarios.

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Systeme radiocommunication sans fil professionnel –Vokkero

Spécialisée dans les systèmes de communication pour équipes mobiles pour les professionnels, VOKKERO® est reconnu mondialement dans le domaine sportif (leader mondial dans

https://www.vokkero.com/fr/

VOGO
895 Rue de la Vieille Poste
Parc Majoria–Pompignane
Immeuble LA LÓNA,
34000 Montpellier, France

▼ INFORMATIONS

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TECHNICAL SUPPORT

Website
Our website contains a lot of useful information: information on modules and wireless modems, user guides, and configuration software and technical documents which can be accessed 24 hours a day.
If you have technical problems or cannot find the required information in the provided documents, contact our Technical Support on our website: www.vokkero.com. This ensures that your request will be processed as soon as possible.

Helpful Information when Contacting Technical Support
When contacting Technical Support, please have the following information ready:
• Product type
• Firmware version (for example V1.0)
• A clear description of your question or the problem
• A short description of the application

▼ RECOMMENDATIONS & WARNINGS

VOKKERO reserves the right to change the technical specifications or functions of its products, or to cease manufacturing any of its products, or to cease

technical support for one of its products without notice in writing and urges its customers to make sure that the information they have is valid.

VOKKERO configuration software and programs are available free of charge in a non-modifiable version. VOKKERO can make no guarantees, including guarantees concerning suitability and applicability for a certain type of application.
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ENVIRONMENTAL RECOMMENDATIONS

All superfluous packaging materials have been eliminated. We have done everything possible to make it easy to separate the packaging into three types of materials: cardboard (box), expanded polystyrene (filler material) and polyethylene (packets, foam protective sheets). Your device is composed of materials that can be recycled and reused if it is dismantled by a specialist company. Please observe local regulations concerning the manner in which waste packaging material, used batteries and your obsolete equipment are disposed of.

WARNINGS

VOK-UNITY-EU(Ref: VO8350AAU)
VOK-ELITE/UNITY-CHARGER(Ref: VO8363AA)

Read the instructions in the manual.

CHARGER and CONFIGURATOR are intended for INDOOR USE ONLY.

⚠️

The safety of this product is only guaranteed when it is used in accordance with its purpose. Maintenance should only be carried out by qualified persons.

⚠️

Please note: Do not install the equipment close to a heat source or in damp conditions.

⚠️

Please note: When the equipment is open, do not carry out any operations other than the ones set out in this document.

⚡

Please note: Do not open the product as there is a risk of electrical shock.

⚡

Please note: For your own safety, you must ensure that the equipment is switched off before carrying out any work on it.

⚡

Please note: For your own safety, the power supply circuit must be SELV (Safety Extra Low Voltage) and must be from limited power sources.

The product must be equipped with a switching mechanism so that the power can be cut. This must be close to the equipment. Any electrical connection of the product must be equipped with a protection device against voltage spikes and short-circuits.

⚠️

Warning: If the charger is used with any other batteries or products whatsoever, there is a risk of an explosion. After use, the batteries must be disposed of at an appropriate recycling centre. They must not be thrown away to degrade in the environment. When batteries are replaced, the device must be corectly implemented.

⚠️

Warning for Switzerland : the annex 4.10 of SR 814.013 Standad must be applied for batteries.

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This symbol on the devode or its packaging means the use of a DC voltage.

RECOMMANDATIONS REGARDING USE

- Before using the system, check that the power supply voltage shown in the user manual corresponds to your supply. If it doesn't, please consult your supplier.

- Place the device against a flat, firm and stable surface.

- The device must be installed in a location that is sufficiently ventilated so that there is no risk of internal heating and it must not be covered with objects such as newspapers, cloths, curtains, etc.

- The device must never be exposed to heat sources such as heating equipment.

- Do not place the device close to objects with naked flames such as lit candles, blowtorches, etc.

- The device must not be exposed to harsh chemical agents or solvents likely to damage the plastic or corrode the metal parts.

DISPOSAL OF WASTE BY USERS IN PRIVATE HOUSEHOLDS

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste by taking it to a collection point designated for the recycling of electrical and electronic appliances. Separate collection and recycling of your waste at the time of disposal will contribute to conserving natural resources and guarantee recycling that respects the environment and human health. For further information concerning your nearest recycling centre, please contact your nearest local authority/townhall offices, your household waste collection company or the shop where you bought the product.

▼ DECLARATION OF CONFORMITY

▼ EU

Terminals : VO8350AA, VO8350AB and VO8350AC

https://s3-us-west-2.amazonaws.com/secure.notion-static.com/1d79d332-a06c-4272-8ed2-3fc40d2358d4/UE_Declaration_of_Conformity_Vokkero_ELITE_(GB)_VO8350AA_-_VO8350AB_-_VO8350AC.pdf

Configurator/charger : VO7674AA and VO8363AA

https://s3-us-west-2.amazonaws.com/secure.notion-static.com/4ccb1c9a-63e6-4791-8662-e042ebfd3c93/UE_Declaration_of_Conformity_Vokkero_ELITE_(GB)_Configurator_-_charger_VO7674AA_-_VO8363AA.pdf

▼ UKCA

Terminals : VO8350AA, VO8250AB and VO8350AC

https://s3-us-west-2.amazonaws.com/secure.notion-static.com/52c600 9d-c1fe-4e32-ab4c-20e15d4195c7/UKCA_Declaration_of_Conformity _Vokkero_ELITE_(GB)_VO8350AA_-_VO8350AB_-_VO8350AC.pdf

Configurator/charger: VO7674AA and VO8363AA

https://s3-us-west-2.amazonaws.com/secure.notion-static.com/c8b724 37-3178-4633-a43c-8908865e8ab8/UKCA_Declaration_of_Conformity _Vokkero_ELITE_(GB)_Configurator_-_charger_VO7674AA_-_VO836 3AA.pdf

▼ USAGE RESTRICTIONS

USE of VOKKERO UNITY in the UNION EUROPEENNE:

Some countries in the European Union do not allow all the channels available in VOKKERO UNITY. This equipment is intended to be used only inside sports arenas (Stadium...). The table below lists the channels available in the VOKKERO UNITY system and specify the associated potential usage restrictions.

Channels	Frequency (MHz)	Emission power (dBm)
S 1	869,525	27
S 2	830,25	20
S 3	830,75	20

For channels with usage restrictions, refer to appendix 1 (National Implementation) of recommendation ERC /REC 70-03 available on the ECO (European Communication Office) website: https://www.ecodocdb.dk/document/category/ECC_Recommendations? status=ACTIVE

Inside the stadium, a spectrum referent may be available to assist in frequency allocation. For the use of UNITY in Europe (outside the EU), please contact

customer support: "www.vokkero.com/Support/Technical Support". In the VOKKERO HELPDESK space, log in with your identifiers(or sign up to create your account) to access the support.

The operations described below allow you to rapidly and easily implement your VOKKERO UNITY communication system.

All the operations described are valid for all the VOKKERO UNITY terminals listed below:

VOK-UNITY-EU: REF VO8350AAU
Note: Your product reference is given on the label on the back of the terminal housing.

The VOKKERO UNITY is a ready-to-use system with the following two main elements:
- **Terminals: VO8350AAU**
- **Optional Charger: VOK-ELITE/UNITY-CHARGER: VO8363AA**

1. SYSTEM INSTALLATION PROCEDURE

- Connect the power unit to the end charger (if several are connected in a row).

- Connect the power unit to the mains.

- Connect the VOKKERO UNITY terminals as shown below.

Note: the order and position of the terminals on the charger(s) are not of importance.

Power cable
connector

Charger
Up to 4 terminals can be charged
simultaneously
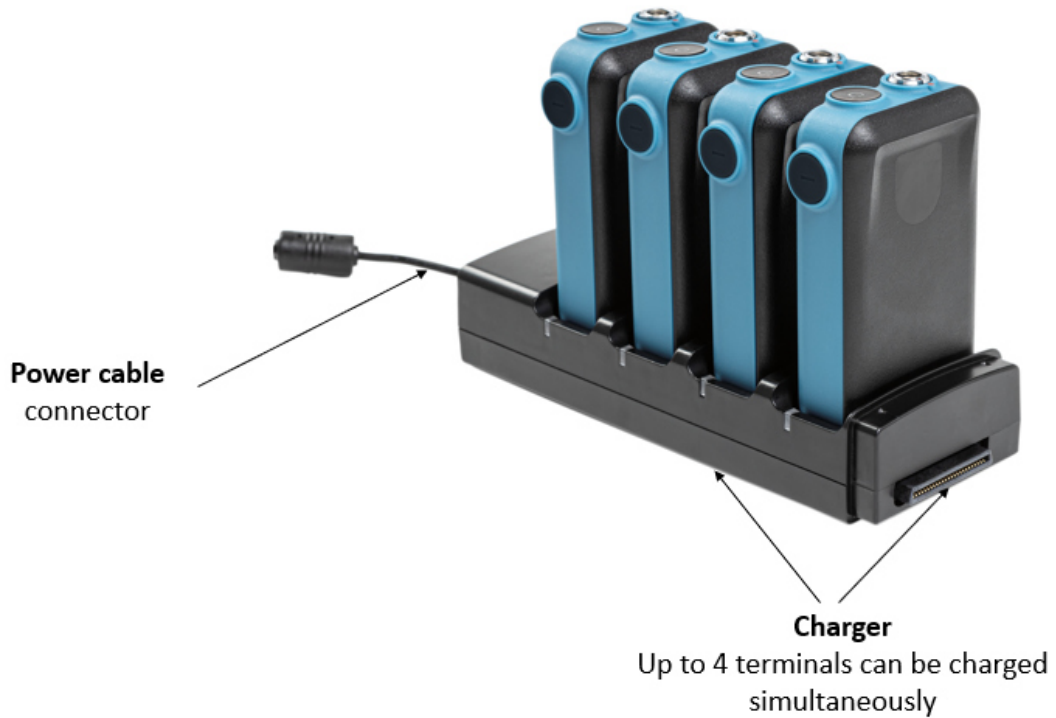
2. SYSTEM DESCRIPTION

2.1. VOKKERO UNITY Terminal

2.1.1. Description of product interface

ON/OFF button
Turns terminal on or off
Indicates battery status
(color from LEC green to orange to
red)

Headset connector
For connecting a headset accessory
compatible with the terminal

+ and - buttons
Ajusts volume

LED display
Provides information on role, frequencies,
network reception

2.1.2. Caractéristiques générales

General Specifications	Value
Supply voltage	3.7V nominal
Maximum consumption	800mA (emission)
Terminal power supply	Lithium battery
Battery life	More than 8 hours
Charging time	4 hours from 0 to 100% battery life
Operating temperature	20℃ / +55℃
Dimensions	57 x 96 x 23 mm
Weight	130g (including battery)

2.2. VOKKERO UNITY Charger

2.2.1. Description of product interface

System installation procedure :

- Connect the power supply to the charger

- Connect the power supply to the mains

- Connect the UNITY terminals as shown below. Place the terminals in the locations intended for this purpose (4 per charger). Insert them vertically so as not to damage the connector.

- When the terminal is detected, charging begins. If the corresponding LED does not come on, check that the terminal has been correctly positioned.

- To remove the terminals from the charger, pull them up.

Note: when the terminals are removed from the charger, they turn off automatically, so they must be turned on again to use them.

Be careful to use the power supply provided by Vokkero when your UNITY kit is delivered.

2.2.2. General Technical Specifications

Specifications	Value
AC/DC Power Converter (standard)	100 à 240V 12VDC/5A – 50/60Hz
Operating temperature	–5℃ / +40℃
Charger's dimensions	180x70x35
Charger's weight	180g
Terminal charging indicators (leds)	
–Red	No terminal or defective terminal
–Orange	Terminal charging
–Green	Terminal charged

3. QUICK START OF THE CONFERENCE

3.1. Setting up Audio Conference

The terminals are delivered pre–configured and ready–to–use.

The first step consists in turning on the terminals and in particular the Master role terminal. This role is used to synchronize the other terminals. You can recognize the Master terminal thanks to its orange icon number 1.

In case no terminal show the orange icon number 1 or if several terminals shows this orange icon number 1 , that means that you have no Master or several Master roles in the network. In that case, the audio conference won't work properly. The «modification of the role number» function makes it possible to remedy this situation by offering the possibility of modifying the role number of a terminal by assigning it the role n°1 (see paragraph 3.5).

3.2. Description of the terminal

Press the On/Off button to turn on the terminal.
Press the On/Off for 3 secondes to turn off the terminal.
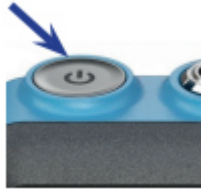
The LCD screen will light up indicating a number with an associated color. This number indicates the role of your device in the conference.

- Icone 1 (orange) : Master
- Icone 2 (blue) : User 2
- Icone 3 (green) : User 3
- Icone 4 (red) : User 4

3.3. Connecting a headset

3.3.1. Plugging a headset

Plug the headset into the slot at the top of the product, beside the LCD.
Line up the 2 red marks of the product and the headset and push the connector.

Do not force the headset; it should connect easily; if this is not the case, check the headset to make sure it isn't damaged and check that you align the red dot with the red mark.

3.3.2. Removing the headset

Pull on the ring of the headset to release the connector switch.
Then remove the headset connector.

Do not attempt to remove the headset by pulling the cable.

Do not turn the connector.

3.4. Adjust Volume

Push + to increase the audio volume.
Push – to decrease audio volume.

5 steps of volume are available. A vocal synthesis (heard in the headset) indicates the step (volume 1 to volume 5).

A vocal synthesis indicates that "Minimum volume" is reached, another vocal synthesis indicates that "Maximum volume" is reached.

To avoid possible hearing damage, do not listen at high volume for a long time.

3.5. Modification of the role number

To function correctly, the audio conference must have a terminal with the role number 1. Your UNITY kit is deliver ready–to–use and no configuration is needed.

However, if this terminal is missing (eg: power problem or malfunction), the conference is no longer possible. The «modification of the role number» function makes it possible to remedy this situation by offering the possibility of modifying the role number of a terminal by assigning it role n ° 1.

IMPORTANT : The role numbers must be unique for the proper functioning of the conference (only one n ° 1, only one n ° 2, etc …).

Procedure :

- Push + on the terminal for 5 seconds.
- Your terminal screen will then display your number flashing.
- You can switch the number by pressing + or –
- To confirm the change of terminal role, press the "On / Off" button on the terminal.
- After confirmation, the LCD returns to the main screen displaying the role number in a fixed way

3.6. Modification of the channel

UNITY offers 3 differents encryption channels.

- Channel 1: **869,525** MHz
- Channel 2: **830,25** MHz

- Channel 3: **830,75** MHz

Know the actual channel:

To know the frequency in use, press − on the terminal for 2 seconds. A voice synthesis indicates the current channel (channel 1 to 3).

Modification of the channel:

- Push − on the terminal for 5 seconds

- A vocal synthesis announce that your entry in the modification menu «Channel Selection»

- You can switch the channel by pressing + or −

- To confirm the channel modification, press the "On / Off" button on the terminal

- After confirmation, the LCD displays the selected channel number flashing rapidly for 3 seconds before returning to the main screen.

DOCUMENT HISTORY

Version	Contents
V1.0	Creation

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Headset Company