Pocket Unit User Manual

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Document change history

Version	Change Date	Author	Description of the change
1.0: Edition 03.2024	2024-03-21	Vasco José de Melo	First version

Pocket Unit

Catalog number: 900.1002.01

Operating system: Android 10

User Manual

Pocket Unit User Manual

Edition 03.2024

Language: English

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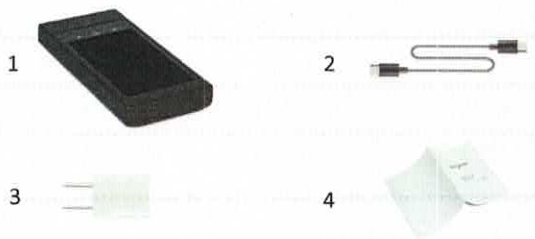
1 System Overview

Thank you for choosing to use the Pocket Unit from ARVICOM.

The Pocket Unit is a controller device for ARVICOM Headsets, providing a standard android interface allowing to host any app to communicate and navigate in the Headset menus while also allowing to configure it. The Pocket Unit has Wi-Fi and Bluetooth capabilities.

Ready to be used right out of the box, including:

1	Pocket Unit
2	USB-C power cable
3	USB-C charging adapter
4	User Manual / Safety and Regulatory guide



At delivery if the package shows any damage or has been opened, please don't use the device and contact ARVICOM for support.

If any component is missing or damaged, do not use the kit and contact ARVICOM for support.

2 About this Manual

2.1 General indications

Incorrect handling and improper use can pose hazards and cause damage. We therefore ask you to carefully read and follow these instructions for use. Please consult the provided "Safety, Regulatory and Warranty Guide" to avoid personal injury and damage to property.

This manual contains information intended to ensure the safe, effective, and compliant use of the product.
Optional items, hardware and software mentioned in this manual may not be provided in the product or subject to upgrades.
Images and screenshots are representative of a specific product version that may differ in appearance from the actual product.

2.2 Symbol explanation

The following symbol is used thought this document to gain the users attention:

Symbol	Meaning
	Important information to pay attention by the operator that can affect the product recommended functioning.

2.3 Copyright

© 2024 ARVICOM. All rights reserved.

This manual and its contents are protected by copyright law and international treaties. No part of this manual may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, without the prior written permission of ARVICOM.

ARVICOM reserves the right to revise this manual and make changes to the specifications of equipment described in this manual at any time without notice.

2.4 Contact details

If you have any questions regarding this document or the use of the device, please contact our customer service by email or to the phone number below.

Europe

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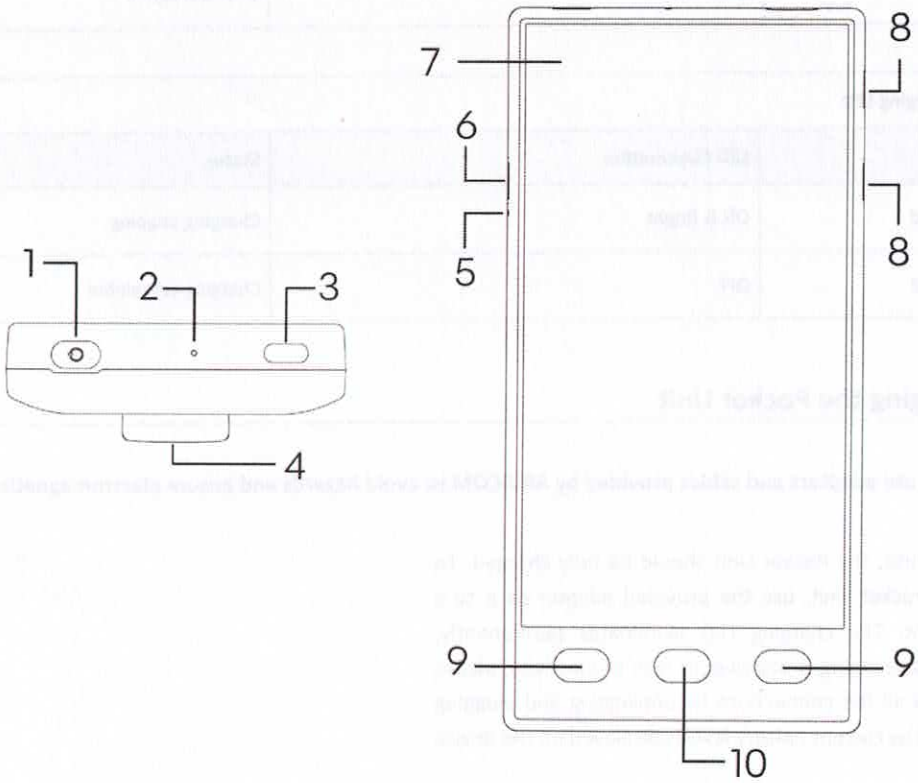
3 Pocket Unit Overview

The Pocket Unit is a controller device for ARVICOM Headsets, allowing to navigate in the menus of the Headsets while also allowing to configure settings. The Pocket Unit has Wi-Fi and Bluetooth capabilities.



#	Feature	Description
1	Power Button	Button to switch the device and screen ON/OFF: • Long press (> 5s): Switch ON/OFF • Short press: Standby mode ON/OFF
2	Status LED	White LED indicating the Pocket Unit activity status.
3	Headset connector	USB-C interface to charge, communicate and provide power to the Headset.
4	Belt Clip	Clip to easily attach the Pocket Unit to the user's belt or clothes.
5	Charging LED	White LED next to the charging connector indicating the charging status of the Pocket Unit.

#	Feature	Description
6	Charging connector	USB-C interface to charge to the Pocket Unit battery.
7	Touch-screen	Touch sensitive screen displaying the android operating system.
8	Peripheral device connectors	Two USB-C input ports to connect peripheral devices (USB Camera, keyboard...).
9/10	Customizable Buttons	Three programmable buttons allowing to link them to specific software functions or shortcuts.

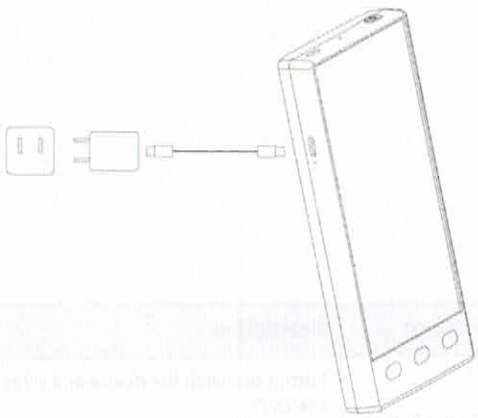
Table 1: Status LED		
Action	**LED Observation**	**Status**
No Action	Continuously OFF	Device OFF or in sleep mode
No Action	Cyclic flash	Device is active

Table 2: Charging LED		
Action	**LED Observation**	**Status**
Cable Plugged	ON & Bright	Charging ongoing
Cable Plugged	OFF	Charging completed

4 Charging the Pocket Unit

Only use adapters and cables provided by ARVICOM to avoid hazards and ensure electromagnetic compliance.

Before each use, the Pocket Unit should be fully charged. To charge the Pocket Unit, use the provided adapter to it to a power socket. The charging LED illuminates permanently, indicating the charging is ongoing. In case of inactivity, please double check all the connections by unplugging and plugging them again. The current battery level is displayed on the device screen.

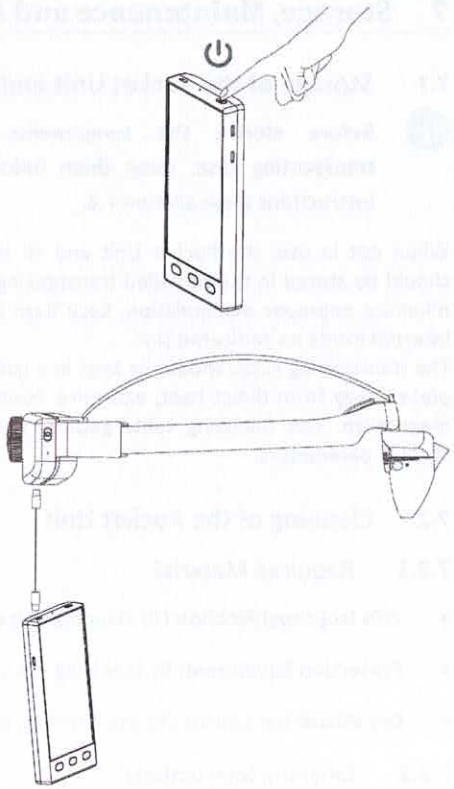


Full charging duration (0 to 100%): Up to 5 hours.

These are estimates as the chemistry can fluctuate overtime and from battery to battery.

5 Turning on the Pocket Unit

To properly setup your Pocket Unit with an ARVICOM Headset, follow the steps below:



1. **Turn on Pocket Unit** by pressing the power button and holding for at least 5 seconds. After a couple of seconds, the Android screen appears.

2. **Connect the Pocket Unit** to the Headset by using the provided USB-C cable. On the Pocket Unit, plug the cable in the USB-C port on the top. Then, plug the other side of the cable in the charging connector of the Headset. The Headset back status LED illuminates permanently, indicating the charging and communication is ongoing.

3. During the Headset usage, **secure the Pocket Unit** on the user's pocket or belt, placing the cable behind the back to avoid any obstructions.

6 Accessing and controlling the Pocket Unit

6.1 Via a computer

Connect the Pocket Unit to a Windows or Ubuntu computer with the provided USB-C to USB-C cable, and if needed use a USB-C to USB-A certified adapter.

Two ways are possible to access and control the Headset:

- Using a PC visualizer application (i.e. Vysor): Platform to access and allow the visualization in real-time of the android OS interface from any laptop while plugged or wirelessly.
- Using Android Debug Bridge (adb): Versatile command-line tool that lets you communicate with the android device. The adb command facilitates a variety of device actions, such as installing and debugging your apps.

6.2 Via a Peripheral Device

The Pocket Unit supports the connection and control by a wireless or cabled mouse, keyboard, joystick and any sort of controller.

- If Bluetooth pairing is required, access the Android settings via a computer.
- For cabled controlling devices, directly connect it in the dedicated USB-C ports.

7 Storage, Maintenance and Cleaning

7.1 Storage of the Pocket Unit and Accessories

Before storing the components in the transporting case, clean them following the instructions steps section 7.2.

When not in use, the Pocket Unit and all the cables should be stored in the provided transporting cases to minimize improper manipulation. Each item should be inserted inside its dedicated slot.
The transporting cases should be kept in a cool and dry place, away from direct heat, excessive humidity, and magnetism. The following table gathers the optimal storage parameters.

Category	Indication
Storage relative humidity	40–90% - non condensing
Storage Temperature	Less than 1 month: 0°C to 45°C (32°F to 113°F)
	Less than 6 months: 0°C to 35°C (32°F to 95°F)

7.2 Cleaning of the Pocket Unit

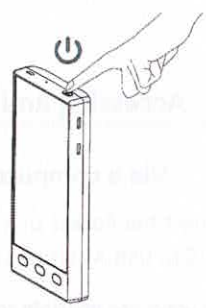
7.2.1 Required Material

- **70% Isopropyl Alcohol:** For cleaning and disinfection of plastic surfaces (except the visor).
- **Protection Equipment**: By following the solution providers safety data sheet.
- **Dry Microfiber Cloths:** Choose lint-free, non-abrasive materials.

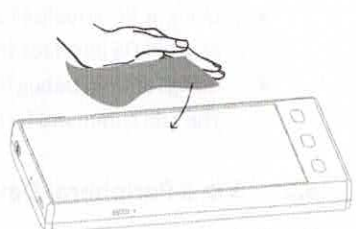
7.2.2 Cleaning Instructions

Between each usage, the Pocket Unit should be cleaned wearing disposable gloves according to the following instructions:

1. **Power off the Pocket Unit:** Ensure the Pocket Unit is turned off by pressing the power button for 5 seconds and unplugged from any electrical power source.



2. **Dust Removal:** Use a clean, dry microfiber cloth to remove loose dust and debris from the Pocket Unit surface and openings.
3. **Cleaning and Disinfecting Surfaces:** Gently wipe down all external surfaces with 70% isopropyl alcohol dampen cloth. Be careful not to let any excess liquid enter the device's openings, such as ports or vents.



4. **Final Drying:** Allow the device to air dry for at least 3 minutes.
5. **Storage:** Store the device in the transporting case.

Pocket Unit

Safety, Regulatory and Warranty guide

Edition 04.2024

Language: ENGLISH

This guide provides important safety, regulatory, and warranty information that you should carefully read before using your Pocket Unit, to avoid damaging your device and to reduce the risk of personal injury, discomfort, property damage, or other potential hazards. The information and visuals included in this document may be subject to change without notice.
In addition, make sure to read the User Manual provided with the product.

If you have any questions regarding this guide or the use of the device, please contact ARVICOM by email or phone number below.

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1 Safety Information

1.1 General warnings

Dust and Water Resistance

Your equipment is not waterproof; keep the equipment away from water or liquids. Water or liquid entering the equipment may cause a short circuit, resulting in electric shock or fire. In the event of liquid penetration inside the equipment, disconnect from any power supply and contact ARVICOM customer service. To lower the risk of fire, shock, or damaging the equipment, please follow the guidelines below:

- Do not expose the equipment to rain, snow, or other types of moisture.
- Avoid using the equipment inside or close to highly humid places (e.g. a shower, a bath tub, or a sink).
- Do not dry the equipment with heat sources, hair or clothes dryers, toasters, or microwave oven. If your device becomes wet, gently wipe the exterior with a clean, dry cloth and contact ARVICOM customer service.

Maintenance and Cleaning:

Keep the devices clean and dry so they are not covered with dust. Follow the maintenance and cleaning instructions provided in the User Manual to reduce the risk of fire, electric shock or damaging your device. Do not attempt to clean inside the ports, vents, hinges and other openings with a wet cloth. Self-servicing or tampering the leads to a cancellation of the warranty services provided by ARVICOM.

Do not expose the devices to any chemical substances except alcohol-based cleaning solutions (described in the provided product User manual). Do not perform heat or chemical sterilization methods on any device.

Repairing & Battery Risks:

Do not modify, open, and/or repair the equipment yourself. It can present serious electrical shock, device damage, fire, and personal injury risks. Equipment opening, repair, battery replacement and disposal are to be handled only by ARVICOM service and support team or other trained personnel.

Always follow the proper charging procedure outlined in User Manual. Do not attempt to heat, open, puncture, or dispose your equipment or its battery in a fire, to avoid any risk of damage or melting the battery.

Electrical safety:

We recommend only the use of ARVICOM AC power supplies, power adapters, and cables for charging and the power supply of your original equipment.
Always confirm that your AC power wall outlet provides the proper power requirements in terms of voltage and frequency as written on ARVICOM power adapter.
Using unauthorized equipment can damage the devices, leading to potential harm like battery damage, electric shocks, fire, and other related injuries to the user and the environment.
To handle the cables and AC adapter with care, preventing electric shock, injury, fire or damage to your ARVICOM devices, please read the guidelines below:

- Do not touch with wet hands.
- Do not insert or attempt to clean the fan, vents, hinges, or other openings with sharp objects.
- Do not use a damaged. When loose cable contact ARVICOM.
- Always firmly insert the power cables and adapters into the connectors and wall sockets.
- Do not unplug the power adapter by pulling it by the cable only. Do it by firmly holding the body of the adapter.
- Inspect the power cable regularly. If a power cable present wearing and damaging signs stop using it immediately and replace it by a new ARVICOM power cable.
- Expose and organize the equipment cords and adapters in a safe manner so that people are not likely to walk on, trip over or accidentally pull on them as they move around the area.

IT Safety and Cybersecurity:

To prevent data theft, unauthorized access or damage to your equipment, read the safety recommendations below:

- Only use the operating system and firmware provided by ARVICOM. The adequate versions are already installed on the delivered equipment. Future updates of the operating system and firmware are conducted by the ARVICOM service and support team.
- The equipment and related software shall be used by trained personnel only.
- When Wi-Fi connectivity is required, ensure the equipment is connected to a secure and password-protected network. Avoid using unsecured public Wi-Fi networks to prevent unauthorized access to your device.

- When using Bluetooth features, be cautious about pairing your equipment with unknown or unauthorized devices. Only connect to trusted and secure devices.

Radio frequency (RF) interference

RF emissions and magnetic fields from electronic equipment can interfere with the proper functioning of other nearby electronic equipment. This equipment has been designed, manufactured and tested to comply with the Federal Communications Commission (FCC) and European Directives regarding RF emission. However, to minimize the risks of unintentional interference with for example medical equipment, vehicles, aircrafts, heavy machinery, we recommend to adhere to the following guidelines:

- While using the Pocket Unit maintain a safe distance from electronic devices and equipment, especially medical devices, such as pacemakers, implantable cardioverter-defibrillators (ICDs), infusion pumps, and monitoring devices. Consult healthcare professionals for specific distance recommendations.
- Turn off the Pocket Unit when not in use to prevent unnecessary RF emissions.

Photosensitive Epileptic Seizures:

Some individuals may experience photosensitive epileptic seizures when exposed to flashing lights or patterns. If you have a history of epilepsy or seizures, consult a doctor before using Pocket Unit.

Using Environment:

Stay vigilant of your environment when using the Pocket Unit. Ensure usage occurs solely in safe, controlled settings devoid of risky activities like walking, sports, driving, or operating machinery.
To ensure electronic safety, the device should be used in an environment with temperature between 0°C and 35°C and a maximum altitude of 2000m above the sea level.

Heat Dissipation:

Your Pocket Unit may generate heat during use. It complies with the user-accessible surface temperature limits defined by the International Standards for Safety (IEC 62368-1). If the device surfaces are heating above bearable temperatures (>60°C), discontinue use and contact ARVICOM service and support team.

Human exposure to Radio frequency (RF) energy:

The Pocket Unit utilizes RF technology for wireless communication. To guarantee a safe user exposure to RF power, this equipment has been designed, manufactured and tested to meet the Federal Communications Commission (FCC) and the European directives, the exposure to RF energy. Handle the device as intended and described in User Manual to ensure SAR limits set on the mentioned guidelines are not exceeded, and avoid placing the device in contact with other body parts.

1.2 Reporting of incidents

In case of serious-incidents (harm, injury, etc.) occurred during the use of your equipment, promptly contact ARVICOM service and support team by phone or email.
If you believe the device is broken, disconnect it from the power supply and contact the ARVICOM service and support team. Using broken devices may result in electric shock or fire.

2 Regulatory Information

Regulatory compliance marks can be found marked on the visible plastic surface of your device.

Manufacturer address:
ARVICOM S.a.r.l.
20 Rue du Commerce
3895 Foetz, Luxembourg
Email: contact@arvicom.eu
Phone: +352 691 722 733

2.1 CE compliance

Simplified EU Declaration of Conformity
Hereby, ARVICOM declares that the Pocket Unit is compliant with the EU Radio Equipment Directive 2014/53/EU.

EMC Compliance
The Pocket Unit have demonstrated electromagnetic compatibility (EMC) compliance. It is important that you use compliant peripheral devices and shielded cables between system components to reduce the possibility of causing interference to radios, televisions and other electronic devices.

RF Emission & Exposure
The Pocket Unit has been designed and tested to comply with the Radio Equipment Directive (RED) and the Federal Communications Commission (FCC) requirements regarding RF emissions and exposure.

Product	Mode and Frequency bands	Max Power (dBm) EIRP
Pocket Unit	WLAN 2412-2472 GHz	15.54
	Bluetooth 2402-2480 GHz	0.41
	Bluetooth LT 2402-2480 GHz	-0.48

The highest value of Specific Absorption Rate (SAR) for all the used frequency bands generated by this product model is: 0.21 W/kg (Body-worn).

Waste electrical and electronic equipment (WEEE) directive and battery directive

This WEEE symbol means that the product, packaging or its accessories should not be disposed of with your household waste. If the product or its accessories need to be disposed, please return the devices to the ARVICOM, by contacting the service and support team and following the provided instructions. This dedicated disposal and recycling will help to conserve natural resources and the environment, as well as protect human health.

2.2 FCC compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

3 Product warranty summary

The complete description of warranty services and conditions of your product can be consulted in the supply agreement provided by ARVICOM, which always prevails over the warranty conditions below.

Warranty information:

1. This warranty applies to the direct purchaser of ARVICOM products and is non-transferable.
2. ARVICOM warrants that your product will be free from defects in materials and workmanship during the warranty period. The warranty includes the repair or replacement of any defective hardware and software component, except if the cause of the defect falls within the list given in point 4.
3. Your product is covered by warranty during a period of 12 months starting from the date of delivery at the direct purchaser's address. This warranty period can be extended according to specific purchaser needs, and are detailed in the supply agreement.
4. To maintain the warranty, please follow the recommended maintenance and operating instructions outlined in the User Manual. Use only authorized accessories and components. This warranty does not cover:
   - Damage resulting from misuse, neglect, or unauthorized modifications or repairs.
   - Normal wear and tear, including in the consumable parts and accessories.
   - Damage caused by accidents, natural disasters, or environmental factors.
5. If you believe your equipment is covered by the warranty, please contact ARVICOM service and support team. They will guide you through the warranty claim process, which may include sharing failure evidences and returning the device for evaluation. When returning any device, please follow the guidelines below:
   - Disconnect and turn off the device
   - Clean the device (instructions detailed in User Manual)
   - Use the original packaging
   - Include a packing slip
   - Write the RMA number provided by ARVICOM for parcel identification
   - Returning Address:

     ARVICOM S.a.r.l.
     20 Rue du Commerce
     3895 Foetz, Luxembourg
6. After failure assessment, ARVICOM will determine whether the warranty conditions are fulfilled and proceed to the repairing actions or replacement of the defective device accordingly. ARVICOM can charge the repairing actions when the failure does not fall inside the warranty conditions. In these circumstances, the client will be informed of the repairing costs and ARVICOM will proceed to the repairing or replacement of the defective device only after a confirmation by the client. Repaired or replaced devices will be covered by the same warranty conditions, throughout the remaining warranty period.
7. This warranty is a voluntary manufacturer's warranty that provides specific contractual rights additional to the rights provided by the law, and jurisdiction of the courts of the country of the direct purchaser.