

# Atos Unify Ready Technology connectivity certification

The connectivity of

## Adapt 360/361/460/461/560

developed by EPOS has been certified for usage with Atos Unify OpenScape UC Desktop App in accordance with the respective test report, dated March 08<sup>th</sup>, 2023. As based on the declaration from EPOS the functionality for ADAPT 460 and 560 are identical to the tested ADAPT 360 as well as the variant of the USB-C Dongle and are therefore also certified.

The test was conducted conforming to DIN EN ISO 9001. This certificate is only valid in conjunction with the full test report and the notes contained therein. The supplier of the certified product confirmed in their declaration of conformity that the product is in line with all compliance regulations (e.g. "acoustic shock") and is responsible to perform appropriate acoustical tests for the mentioned products via the relevant interfaces. Please consider that the test report only covers the functionality of the interface. The certificate and test report are not good for a statement of end-to-end functionality.

Munich, March 09<sup>th</sup>, 2023



Andre Bergmann

Director Technology Partner Program

The word "Atos" in a large, bold, blue font.

Ballerup, Denmark, 4<sup>th</sup> of May 2021

## Declaration of Compliance

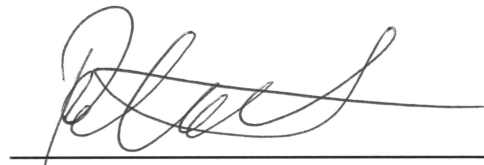
We, EPOS Group A/S, hereby declare that our headsets in the ADAPT product line, as listed below, are identical from a functional perspective and share the same firmware version.

The difference between the headsets in the ADAPT product line are wearing style (Neckband, On-ear, Over-ear). The BTD 800 (Bluetooth® USB dongle) is included for all and is required for call control.

| Headset   | Neckband | On-ear | Over-ear | BTD 800 incl. |
|-----------|----------|--------|----------|---------------|
| ADAPT 360 |          |        | X        | X             |
| ADAPT 460 | X        |        |          | X             |
| ADAPT 560 |          | X      |          | X             |



**Theis Mørk**  
VP, Product Management, Enterprise Solutions  
EPOS Group A/S



**Peter Arvidsson**  
Global Strategic Alliances Manager  
EPOS Group A/S

### About EPOS

EPOS is an audio and video solution company developing and selling devices for business professionals and the gaming community. Based on leading and advanced technologies, the Danish founded company delivers high-end audio and video solutions with design, technology and performance as paramount parameters.

The establishment of EPOS is based on the decision to let the business segments of the joint venture – known as Sennheiser Communications – between Sennheiser electronic GmbH & Co. KG and Demant A/S evolve in different set-ups. Alongside the introduction of a new own-branded portfolio, EPOS continues to sell the current Sennheiser Communications portfolio co-branded as EPOS | SENNHEISER.

EPOS is part of the Demant Group – a world-leading audio and hearing technology group. As such, it builds on more than 115 years of experience of working with innovation and sound. With headquarters in Copenhagen, Denmark, EPOS operates in a global market with offices and partners in more than 30 countries.

Find more information at [www.eposaudio.com](http://www.eposaudio.com)

## Declaration of Compliance

We, EPOS Group A/S, declare under sole responsibility that the below listed models have identical features with a difference affecting only the physical connectivity of the Bluetooth dongle. The variants are introduced to meet market demand for USB-C dongles in addition to the already available USB A dongles.

Based on this, three new commercial products will be introduced; ADAPT 361, ADAPT 461 and ADAPT 661.

This has no impact on firmware (FW) nor on functionality, the firmware version is the same and the headsets listed below perform acoustically 100% the same.

The BTD 800 USB-C dongle is already launched with ADAPT 231/261 and sold separately, and apart from the physical connector it is the same as the BTD 800 USB A dongle.

| Existing variant w. USB A dongle | New variant w. USB-C dongle |
|----------------------------------|-----------------------------|
| ADAPT 360                        | <b>ADAPT 361</b>            |
| ADAPT 460                        | <b>ADAPT 461</b>            |
| ADAPT 660                        | <b>ADAPT 661</b>            |



Theis Mørk (Dec 13, 2021 12:03 GMT+1)

**Theis Mørk**  
Vice President, Product Management  
& Strategic Alliances  
EPOS A/S



**Peter Arvidsson**  
Global Strategic Alliances Manager  
EPOS A/S

## EU Declaration of Conformity

We,

DSEA A/S  
Kongebakken 9,  
DK-2765 Smørum, Denmark

Declare under our sole responsibility that the

products:                   ADAPT 360

with the included components

BTD 800 USB  
USB-C cable  
Audio Cable

and all variations specified in the Annex are in conformity with the provisions of the following EU directives (including all applicable amendments); and are designed and manufactured with application of the harmonized standards.

**Quality Assurance:** The manufacturing organization is certified according to ISO 9001

CE was initially applied in: 2020

Denmark, 2021-01-22



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Johannes Kaulfuss  
Director, Quality & Support

## Annex

All devices carry the CE mark. The applied conformity assessment procedure is carried out according to Article 17(4) and Annex II of the Radio Equipment Directive 2014/53/EU.

Variants of the ADAPT 360 series:

| Article no. | Product         | Model  | SW version |
|-------------|-----------------|--------|------------|
| 1000209     | ADAPT 360       | SCBT15 | 004        |
| 1000210     | ADAPT 360 WHITE | SCBT15 | 004        |

complies with following Directives and Standards:

| Document          | Short description   | Issued/Version |
|-------------------|---|----------------|
| <b>2014/53/EU</b> | <b>Radio Equipment Directive (RED) 2014/53/EU</b>   |                |
| EN 300 328        | Electromagnetic compatibility and Radio spectrum Matters (ERM). Wideband transmission systems and Data transmission equipment operating in the 2.4 GHz band. Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive | 2.1.1          |
| EN 301 489-1      | Short Range Devices (SRD); Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU   | 2.1.1          |
| EN 301 489-17     | ElectroMagnetic Compatibility (EMC) standard for radio equipment and services   | 3.1.1          |
| EN 55032          | Electromagnetic compatibility of multimedia equipment - Emission Requirements (conducted & radiated)  | 2015 + AC:2016 |
| EN 55035          | Electromagnetic compatibility of multimedia equipment - Immunity requirements CISPR 35:2016 (Modified)  | 2017           |
| EN 62479          | Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)   | 2010           |
| EN 50663          | Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz)   | 2017           |
| EN 62368-1        | Audio/video, information, and communication technology equipment - Part 1: Safety requirements  | 2014 + AC:2015 |
| <b>2011/65/EU</b> | <b>Restriction of the use of certain Hazardous Substances Directive (RoHS) 2011/65/EU</b>   |                |
| EN 63000          | Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances  | 2018           |

|    |  |
|----|--|
| DE | DSEA A/S erklärt hiermit dass die aufgeführten Geräte den Richtlinien 2014/53/EU und 2011/65/EU entsprechen.   |
| FR | DSEA A/S déclare que les équipements énumérés sont conformes aux directives 2014/53/UE et 2011/65/UE.  |
| IT | Con la presente, DSEA A/S dichiara che le apparecchiature elencate sono conformi alle direttive 2014/53/UE e 2011/65/UE.   |
| ES | DSEA A/S declara por la presente que los equipos enumerados cumplen las Directivas 2014/53/UE y 2011/65/UE.  |
| PT | A DSEA A/S declara que o equipamento listado está em conformidade com as Diretivas 2014/53/UE e 2011/65/UE.  |
| NL | DSEA A/S verklaart hierbij dat de opgegeven apparatuur voldoet aan Richtlijnen 2014/30/EU, 2014/53/EU, 2014/35/EU, 2011/65/EU, 2009/125/CE en 2001/95/CE.            |
| EL | Η DSEA A/S δηλώνει ότι ο αναφερόμενος εξοπλισμός συμμορφώνεται με τις οδηγίες 2014/30/ΕΕ, 2014/53/ΕΕ, 2014/35/ΕΕ, 2011/65/ΕΕ, 2009/125/ΕΚ και 2001/95/ΕΚ.            |
| DA | DSEA A/S erklærer hermed, at det anførte udstyr er i overensstemmelse med direktiverne 2014/53/EU og 2011/65/EU.   |
| SV | DSEA A/S förklarar härmed att den utrustning som listas överensstämmer med direktiven 2014/53/EU och 2011/65/EU.   |
| FI | DSEA A/S vakuuttaa täten, että luettelossa mainitut laitteet täyttävät seuraavien direktiivien vaatimukset: 2014/53/EU ja 2011/65/EU.                                |
| PL | Firma DSEA A/S oświadcza, że wymienione urządzenia są zgodne z dyrektywami 2014/53/UE i 2011/65/UE.  |
| CS | Společnost DSEA A/S tímto prohlašuje, že uvedená zařízení jsou v souladu se směrnicemi 2014/53/EU a 2011/65/EU.  |
| HU | A DSEA A/S kijelenti, hogy a felsorolt berendezések megfelelnek a 2014/30/EU, a 2014/53/EU, a 2014/35/EU, a 2011/65/EU, a 2009/125/EK és a 2001/95/EK irányelveknek. |
| BG | DSEA A/S с настоящото декларира, че изброеното оборудване е в съответствие с Директиви 2014/53/ЕС и 2011/65/ЕС.  |
| ET | DSEA A/S kinnitab, et loetletud seadmed on kooskõlas direktiividega 2014/53/EL ja 2011/65/EL.  |
| LV | DSEA A/S ar šo apliecina, ka iekļautais aprīkojums atbilst direktīvām 2014/53/ES un 2011/65/ES.  |
| LT | DSEA A/S pareiškia, kad nurodyta įranga atitinka direktyvas 2014/53/ES ir 2011/65/ES.  |
| RO | DSEA A/S declară prin prezenta că echipamentul menționat este în conformitate cu Directivele 2014/53/UE și 2011/65/UE.   |
| SK | Spoločnosť DSEA A/S týmto vyhlasuje, že uvedené zariadenie je v súlade so smernicami 2014/53/EÚ a 2011/65/EÚ.  |
| SL | DSEA A/S izjavlja, da je navedena oprema v skladu z direktivami 2014/53/EU in 2011/65/EU.  |
| HR | DSEA A/S ovime izjavljuje da je navedena oprema u skladu s direktivama 2014/53/EU i 2011/65/EU.  |
| TR | DSEA A/S, burada listelenen ekipmanın 2014/30/AB, 2014/53/AB, 2014/35/AB, 2011/65/AB, 2009/125/AB ve 2001/95/AB Direktiflerine uygun olduğunu beyan eder.            |
| RU | DSEA A / S настоящим заявляет, что перечисленное оборудование соответствует директивам 2014/53/EU и 2011/65/EU.  |

# Test Report of Certification

**Epos Adapt 360**

with

**Unify OpenScape UC Desktop App**

**Status: Released**

**Release Date: 08-03-23**

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**Test Report of Certification (For Internal use only)**

Date: 2023-03-08

Partner Product: Epos Adapt 360

## Contents:

|            |   |           |
|------------|---|-----------|
| <b>1</b>   | <b>Overview</b> .....                                       | <b>4</b>  |
| <b>1.1</b> | <b>Executive Summary</b> .....                              | <b>4</b>  |
| 1.1.1      | Basis Equipment .....                                       | 4         |
| 1.1.2      | Epos Headsets .....   | 4         |
| <b>1.2</b> | <b>Test Strategy</b> .....                                  | <b>4</b>  |
| <b>1.3</b> | <b>Test Intensity</b> .....                                 | <b>5</b>  |
| <b>1.4</b> | <b>Measuring / Test Instruments</b> .....                   | <b>5</b>  |
| <b>1.5</b> | <b>Realization Data</b> .....                               | <b>5</b>  |
| 1.5.1      | Remarks.....  | 5         |
| 1.5.2      | Restrictions .....  | 5         |
| <b>1.6</b> | <b>Network Diagram</b> .....                                | <b>6</b>  |
| <b>2</b>   | <b>Configuration</b> .....                                  | <b>7</b>  |
| <b>3</b>   | <b>Test Results in Detail</b> .....                         | <b>8</b>  |
| <b>3.1</b> | <b>Test cases</b> .....                                     | <b>8</b>  |
| 3.1.1      | Epos Adapt 360 .....  | 9         |
| <b>3.2</b> | <b>Remarks / Appendixes</b> .....                           | <b>13</b> |
| <b>4</b>   | <b>Configuration Data</b> .....                             | <b>14</b> |
| <b>4.1</b> | <b>OpenScape UC Client Audio Scheme Configuration</b> ..... | <b>14</b> |
| <b>5</b>   | <b>Confirmation</b> .....                                   | <b>15</b> |



## History of Change

| Version | Date                         | Description      | Author(s)  |
|---------|------------------------------|------------------|--|
| 1.0     | March 2 <sup>nd</sup> , 2023 | Initial Creation | Danai Stamou<br>Atos Greece<br>E-mail: <a href="mailto:danai.stamou@atos.net">danai.stamou@atos.net</a>                      |
| 1.1     | March 7 <sup>th</sup> , 2023 | Review           | Peter Arvidsson<br>EPOS<br>E-mail: <a href="mailto:peav@eposaudio.com">peav@eposaudio.com</a>                                |
| 2.0     | March 8 <sup>th</sup> , 2023 | Release          | Dimitrios Galanakis<br>Atos Greece<br>E-mail: <a href="mailto:Dimitrios.galanakis@atos.net">Dimitrios.galanakis@atos.net</a> |

## 1 Overview

### 1.1 Executive Summary

The scope of this document is to detail the results of the testing activities performed in the context of the certification test of Epos headsets with Unify's OpenScape UC Desktop App.

The testing activities for the current certification project were performed using Epos Adapt 360 with Unify's OpenScape UC clients.

#### 1.1.1 Basis Equipment

|                   |   |
|-------------------|---|
| Test Equipment:   | Virtual OpenScape Voice co-located cluster<br>Virtual OpenScape UC Very Large System                          |
| Software Release: | OSV V10 R3.17.0<br>UC V10 R4.13.0<br>Unify OpenScape UC Desktop App V10R4.14.0(Build 101) - Win 10 Enterprise |

#### 1.1.2 Epos Headsets

|                     |   |
|---------------------|---|
| Certification:      | Headset device interoperability with OpenScape UC Client  |
| Test Equipment:     | Epos Adapt 360  |
| Objective:          | Epos devices aim to provide to the users the experience of using a headset with a Unify OpenScape UC clients.   |
| Documentation:      | See operation manual included in Epos devices packaging and product information on the web: : <a href="#">Epos Adapt 360</a>   <a href="#">Epos Support</a> |
| Test Bed:           | Epos devices are connected to desktop with Desktop App installed. An OSV is used for the call functionality (figure 1 section 1.7).                         |
| Test Configuration: | See <b>fig.1</b> in section 1.7   |

### 1.2 Test Strategy

The aim is to confirm that OpenScape UC Clients recognize the Epos devices correctly and verify the correct behavior in certain call state scenarios.

### 1.3 Test Intensity

The scope of the tests is to validate the functionality of the headset controls integrated with OpenScape softclients mentioned above, operating within the limits of the system requirements and performing the complete functionality according to the OpenScape softclients supported features. To accomplish this, feature and solution based test cases are created, inspected, and executed under a real system environment (mirroring as close as possible real customer's environment).

Notes:

- The testing of the product with regard to compliance to requirements for Product Safety, EMV, Network Access Interfaces and Radiation Protection were not performed.
- Audio quality test is also not the scope of this certification.
- Unify Software and Solutions GmbH und Co. KG therefore assumes no responsibility for the compliance to these requirements.

### 1.4 Measuring / Test Instruments

### 1.5 Realization Data

|                   |  |
|-------------------|--|
| Test Preparation: | March 2023   |
| Test Duration:    | 2h   |
| Test Location:    | Atos/ Unify<br>Atos/ Unify Athens Solution lab<br>Irakleiou Leoforos 455,<br>Irakleio Attiki, Greece |
| Test Personnel:   | Danai Stamou, danai.stamou@atos.net  |

#### 1.5.1 Remarks

Epos volume control commands are sent towards the Operating System.

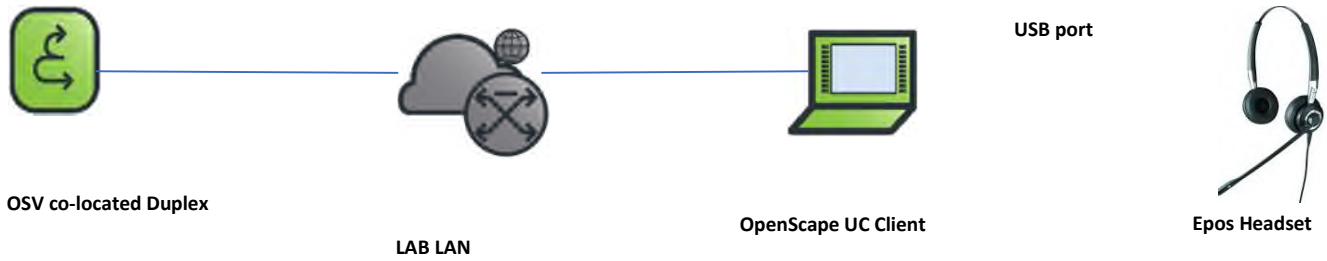
#### 1.5.2 Restrictions

1. Before connecting Epos Adapt 360 to laptop please make sure that latest UC ware of Epos hub is installed to Windows operating system. Afterwards please update devices software to latest available.
2. In order to select Epos headset controller, you need to restart the application once, after the detection of headset.
3. When using softphones from other manufacturers at the same time, which access the same audio device as the Atos Unify UC client, side effects and malfunctions cannot be ruled out. In this case, deactivate the headset control on your UC clients.

### 1.6 Network Diagram

The diagram of **figure 1** below displays the logical diagram which is used for the certification project testing when connecting Epos Headsets with OpenScape softclients.

USB adapter is required in order to interwork towards Epos product.



**Figure 1: Logical Topology Diagram when using OpenScape UC Client**

## 2 **Configuration**

Epos Headsets that are tested with OpenScape UC clients are connected to a laptop or desktop machines via Bluetooth dongle.

At OpenScape UC clients audio settings, the Epos device details must be used, as it is shown in section 4.1.

### **3 Test Results in Detail**

#### **3.1 Test cases**

The testing procedure will be presented in the following sections.

Additionally, the testing procedure focuses on how OpenScape softclients recognize Epos devices and on the behavior of the latter in certain scenarios involved in a basic call.

### 3.1.1 Epos Adapt 360

| No | Test Description  | Result             |
|----|---|--------------------|
|    |   | <b>Desktop App</b> |
| 1  | <p>A calls Client B</p> <p>B client has Epos headset installed</p> <p>B gets incoming call toast, incoming call in the Call control, and also Epos headset is flashing</p>  | OK                 |
| 2  | <p>A calls Client B</p> <p>B client has Epos headset installed</p> <p>B gets incoming call toast, incoming call in the Call control, and also Epos headset is flashing</p> <p>Verify that the incoming call can be answered from toaster.</p>                   | OK                 |
| 3  | <p>A calls Client B.</p> <p>B client has Epos headset installed.</p> <p>B gets incoming call toast, incoming call in the Call control, and also Epos headset is flashing</p> <p>Verify that the incoming call can be answered from the Call Control window.</p> | OK                 |
| 4  | <p>A calls Client B.</p> <p>B client has Epos headset installed</p> <p>B answers from Call control window</p> <p>Mute /UnMute during call from the Call Control window.</p>   | OK                 |

|   |   |    |
|---|---|----|
| 5 | <p>A calls Client B.</p> <p>B answers from Call Control.</p> <p>B mute/unmute from Epos headset</p> <p>Verify that headset and call control are in sync.</p>                                    | OK |
| 6 | <p>A calls Client B.</p> <p>B answers from Epos headset.</p> <p>Verify volume up/down work while in a call.</p>   | OK |
| 7 | <p>A calls Client B.</p> <p>B answers from Epos headset.</p> <p>B selects handover icon from call control window.</p> <p>B selects a destination to handover the call.</p>                      | OK |
| 8 | <p>A calls Client B.</p> <p>B answers from call control.</p> <p>B selects transfer icon from call control window.</p> <p>B selects a destination to transfer the call.</p>                      | OK |
| 9 | <p>A and C are in a call</p> <p>A does a consult to client B.</p> <p>B answers</p> <p>A starts a conference with B and C.</p> <p>Verify speech path with headset while in a conference call</p> | OK |



|    |   |    |
|----|---|----|
| 10 | <p>A calls B.<br/>         B answers<br/>         A selects handover icon from call control window.<br/>         A selects a destination to handover the call.<br/>         Verify speech path with the headset after handover</p>  | OK |
| 11 | <p>A calls Client B.<br/>         B answers.<br/>         A selects transfer icon from call control window.<br/>         A selects a destination to transfer the call.<br/>         Verify speech path with the headset after transfer.</p>   | OK |
| 12 | <p>A calls Client B.<br/>         B answers.<br/>         Hold the call from the Call Control window<br/>         Retrieve held call from the Call Control window.<br/> <br/>         Verify that the headset can hear MOH (Music On Hold) when call is held<br/>         Verify that the headset hears speech after retrieval from hold.</p> | OK |
| 13 | <p>A calls client B.<br/> <br/>         Verify that B hears ringing in headset.</p>   | OK |
| 14 | <p>Unplug the Epos headset from the PC.<br/>         Verify that the Client shows the proper error message.</p>   | OK |
| 15 | <p>Plug the Epos headset back into the PC.<br/>         Verify that the Client does not show any errors.</p>  | OK |

|    |  |    |
|----|--|----|
| 16 | <p>Client B calls A.</p> <p>B client has Epos headset installed.</p> <p>Verify that the call is answered and there is speechpath.</p>  | OK |
| 17 | <p>Client B calls A.</p> <p>B client has Epos headset installed.</p> <p>A never answers.</p> <p>Verify that call can be disconnected from Epos Headset.</p>                  | OK |
| 18 | <p>Client B calls A.</p> <p>B client has Epos headset installed.</p> <p>A never answers.</p> <p>Verify that call can be disconnected from call control window.</p>           | OK |
| 19 | <p>Sleep the machine</p> <p>Resume the PC after 2 minutes</p> <p>After client reconnection, make a call</p> <p>Verify all details about a successful call</p>                | OK |
| 20 | <p>Disconnect LAN cable</p> <p>Reconnect after 1 minute</p> <p>After client reconnection, make a call</p> <p>Verify all details about a successful call</p>                  | OK |
| 21 | <p>Plug headset into USB port and OSC UC Client should recognize it is offering the creation of an Audio Schema – No other Epos headset was used in this machine before.</p> | OK |
| 22 | <p>Unplug headset from USB port and OSC UC Client should try to use other headset audio schema if there is one.</p>  | OK |
| 23 | <p>Plug headset into USB port and OSC UC Client should automatically use it if there is already a schema created for it.</p>   | OK |

### 3.2 Remarks / Appendixes

Explanation of acronyms:

- OK Test case executed successfully
- NOK Test case executed NOT successfully
- NA Test case not applicable

#### Appendix A

Test results aggregated:

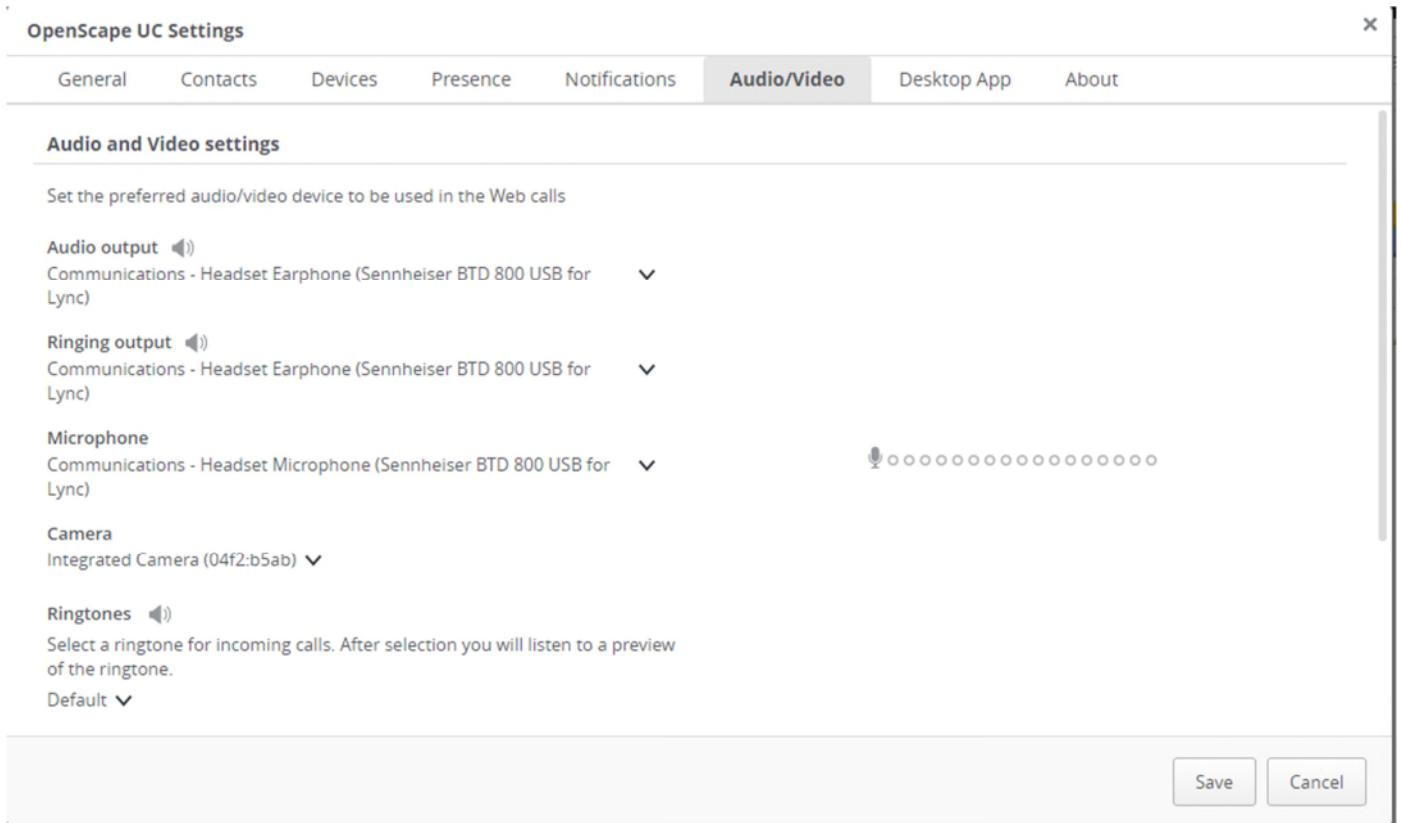
| Category       | Planned | OK | NA |
|----------------|---------|----|----|
| Epos Adapt 360 | 23      | 23 | -  |

## 4 Configuration Data

### 4.1 OpenScape UC Client Audio Scheme Configuration

In order to use the Epos Headsets with OpenScape UC clients please, configure UC Desktop App audio scheme like in the following pictures.

The same applies for every type of Epos Headset.



## 5 Confirmation

Testing personnel confirms that the test cases in chapter 3 were performed and that the results were as described in this document.

|                                     |   |
|-------------------------------------|---|
| Athens, March 2023                  | Valid until <date>                                  |
| Danai Stamou, Solution Test, Athens | (Name, function and signature of authorized person) |