



**DYNAMIC COMMUNICATOR  
WITH BUILT-IN EYE-TRACKER**

# Dialog One





***Each person, regardless  
of the degree of  
disability, has the right  
to influence, through  
communication, the  
conditions of its own life.***

*\*National Joint Committee for the Communication Needs of Persons with Severe Disabilities, 1992.*

## Presentation and use

The **Dialog One** is 12.6" stand-alone system, touchscreen and Electromedical Device with Windows 11 Pro Operating System, which integrates a powerful communicator with a highly efficient eye pointing system.

It is designed to intercept and meet the technical and communication needs of people with more impaired neuromotor abilities and/or dystonia, particularly suitable to conditions such as ALS, SMA, and Tetraplegia.

It is realized to be used with an eye pointing system that enables alphabetic communication through the pupil movement.



## Main features

The Dialog One, made of impact-resistant materials, it is lightweight and functional. It is perfectly integrated with a binocular eye-tracker, to obtain a unique device with a compact and elegant design.

The VESA and the quick-release plate allow to place the device, quickly and easily, on mounts for beds, wheelchairs, tables or walls. Thanks to its integrated stand at the back, the Dialog One can be easily used on a flat surface.

Sideways, there are two powerful speakers that enable the reproduction of voice synthesis, music or sound and thanks to the rear and front camera, the user can take photo, make videos and/or video calls.

Moreover, on the right side, there is a Jack input and two USB Type-C outputs, the USB Type-A is on the left side instead. The volume can be adjusted from the relative buttons on the top right, where there is also the power button.





## Accessibility

Dialog One has different accessibility methods to meet different patient needs related to pathology or disorders.

Its touchscreen display makes the device sensitive to touch. The touchscreen technology is recommended when there is the possibility of upper limb movement.

It can be used via Bluetooth sensor interface if there are residual movements and in the absence of residual motor movements, it can be used via eye movement instead.

The communicator is already equipped with a binocular eye-tracker, which is fully integrated into Matrix AAC software and all its features, including calibration, are managed within the program.



## Software

**Matrix AAC software**, integrated into the device, is suitable for people with speech and writing disorders, particularly those with neurodegenerative diseases that, temporarily or permanently, limit expressive language and/or mobility such as ALS, SMA and tetraplegia.

It allows to create structures, tables, communication books for Augmentative and Alternative Communication (AAC) in a simple and intuitive way and in addition to facilitated communication, permits the integration of functions related to environmental control at home and PC management in Microsoft Windows environment.

It also provides easy access to the Internet, e-mail, and various social networks, and it also allows users to write documents and read files in PDF and Microsoft Word format, perform mathematical calculations, listen to music, view pictures and watch videos.

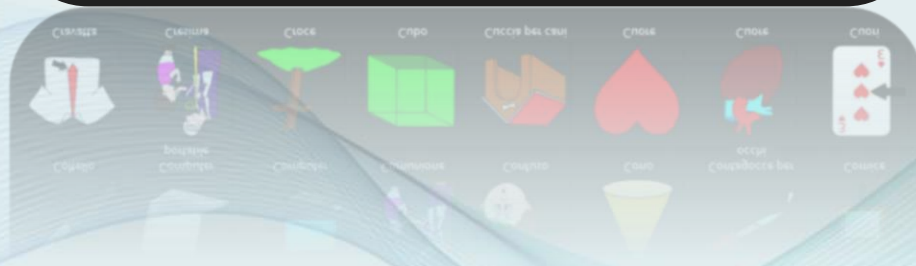


## Images

Matrix AAC has been designed to be used with any image libraries or pictograms of different format (png, jpg, bmp, pcs, gif).

Once the software is installed, the PACS image library (created by our team) will be installed and the user can also download, in automated manner and for free, the Arasaac pictograms (Government of Aragon - Spain) upon acceptance of the licence of use.

In addition to these images, it is possible to download images from the web, choose an image from the local memory or take a photo with the camera of the device.





## Technical specifications

- **Processor CPU:** Intel (R) Core™ i7 -165g7
- **GPU:** Intel® UHD Graphics
- **Display:** 12.6" -12 Touch Points
- **Resolution:** **Amoled** 2560x1600
- **Size:** 285 x 183 x 9.8 mm
- **Battery:** 53.2W Lithium polymers **10000mAh**
- **Memory:** On Board LPDDR5 - 16GB
- **Weight:** 0.86 kg
- **Bluetooth:** 4.1
- **Operating System:** Windows 11 Pro
- **Webcam:** Front 5Mp – Rear 10Mp
- **Wi-Fi:** 802.11 a/b/g/n/ac WI-FI (optional)
- **Memory:** 1x microSD
- **Built-in stereo speakers**
- **USB:** USB 3.0\*1 – USB Type C\*2
- **Audio output:** 3.5mm standard headphone jack\*1
- **Power adapter:** 20V/3.5A(65W) Type-C
- **Built-in Eye-tracker with the following technical specifications:**
  - **Standard frame rate:** 60
  - **Tracking technology:** Dark Pupil
  - **Head movement tolerance:** more than 15%
  - **Frequency:** 40Hz to 100Hz
  - **Pixel size:** 3.45
  - **Sensor model:** Sony IMX296
  - **Width:** 250 mm
  - **Height:** 29 mm at ends
  - **Depth:** 53 at ends
  - **Weight:** 0.40 kg
  - **Distance from user to eye:** 55-70 cm

## Accessories



**Dialog One with eye-tracker**



**Charger**





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