Dialog
AUSILI MEDICALI

DYNAMIC COMMUNICATOR

DIALOG 3.0




Dialog
Internet
Email
Communicate
Home automation
Media
Advanced control
8:58 AM
Tuesday, March 5, 2024
DIALOG

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

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

Presentation and use

The **Dialog 3.0** communicator is a 15.6″ touchscreen medical device running on Windows 10 Pro.

It has been specifically designed to meet the technical and communication needs of individuals with severe neuromotor impairments and/or dystonia and is particularly suitable for conditions such as ALS (Amyotrophic Lateral Sclerosis), SMA (Spinal Muscular Atrophy), and Tetraplegia.

The system is optimized for use with a binocular eye-tracking system, allowing users to communicate via pupil movement using alphabetic communication. It also integrates environmental control (home automation) features and full PC management in the Windows environment.



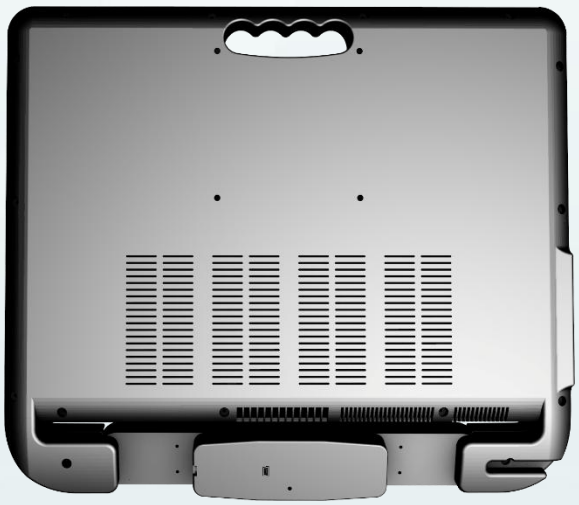
Main features

Built with **impact-resistant materials**, the Dialog 3.0 is lightweight, practical, and equipped with a convenient handle, making it to be easily carried.

The **VESA mount** and **quick-release** plate allow a fast and secure attachment to bed, wheelchair, table, or wall stands.

Two powerful speakers located on the upper front panel ensure high-quality output for voice synthesis, music, or sound playback.





Interfaces and home automation

On the side of the device there are the power input and all other input/output, connection, and audio/video interfaces.

Notably, the device includes **five additional ports** for directly connecting external sensors or switches, enhancing accessibility.

Dialog 3.0 is engineered also to support **environmental control** through various connectivity systems.

By default, it comes equipped with Wi-Fi and Bluetooth connections, as well as an infrared sensor located on the upper rear panel.

Optionally, a wireless radio frequency interface can be added upon request, enabling control of a wide range of systems and devices.



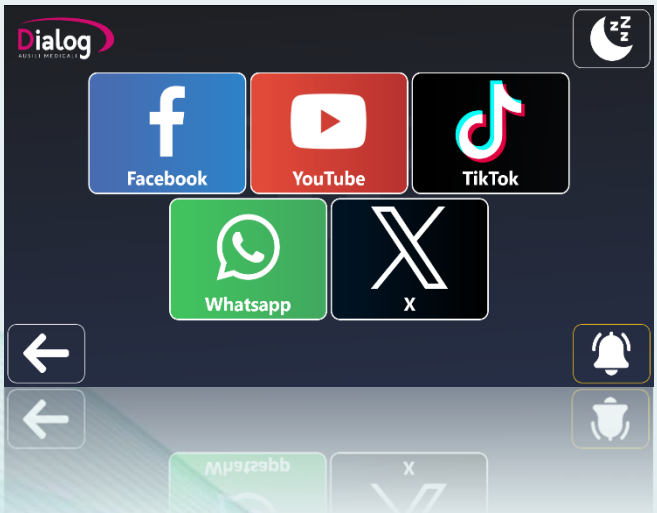
Matrix AAC Software

The device is equipped with **Matrix AAC**, our advanced **Augmentative and Alternative Communication (AAC) software** for building communication structures, grids, and books.
In addition to simplified communication tools, Matrix AAC includes features for home automation and PC management within the Windows environment.

It enables users to write documents (with or without images), read PDF and Word files, perform mathematical calculations, listen to music, view photos and videos, and access streaming platforms and TV guides. It also offers easy access to the Internet, email, and major social networks.

The Advanced Control function includes a configurable progressive zoom lens, allowing precise interaction with any external application.

With the integration of Matrix AI, users gain access to **AI-powered features** such as custom command creation and text and symbol grammar correction, enhancing both creativity and communication capabilities.





Dialogo AAC Software

The device also includes with the **Dialogo AAC** software, designed to support communication for individuals with complex communication needs.

It allows users to create **Augmentative and Alternative Communication (AAC) structures** in a simple and intuitive way, transforming traditional paper-based communication boards into interactive and customizable tools.

Users can create content for education, personal autonomy, testing with reports, social stories, on-screen keyboards, and inclusive games. The software can also be used to control electronic devices such as lights, TVs, beds, alarms, and toys, as well as interact with various voice assistants.

Dialogo AAC also enables the integration of multimedia content, such as music and videos, and allows users to read books in PDF format. It is also possible to create, download, and use interactive structures that access online services and social platforms like browsers, email, WhatsApp, Facebook, Instagram, and many others.



Accessibility

The Dialog 3.0 provides **multiple access methods** to accommodate users with a wide range of needs based on their medical condition:

- **Touchscreen access** is available for users with sufficient upper limb mobility.
- Users with limited residual movement in any limb can access the device via **sensor interfaces** or body part **tracking devices**.
- For users with no residual motor control, the system can be fully accessed via **eye tracking**.

The communicator is optimized for integration with our binocular eye tracker (Deye), offering a compact and elegant solution for a complete assistive communication system.



Technical Specifications

- **Display:** 15,6” display touchscreen LED
- **Screen Resolution:** 1920 x 1080 px
- **Size:** 40 x 33 x 4.3 cm
- **Built-in switch interface:** 5 inputs
- **Weight:** 2,0 kg
- **Processor:** Intel (R) Core ™ i7 – 6500U CPU @ 2.50GHz 2.59 GHz
- **Inputs:** 3 USB 3.0 ports - audio/video output - microphone input
- **Network:** ethernet 10/100
- **Camera:** 1,3 MP
- **RAM:** 8 GB DDR4
- **Storage:** SSD 250 GB (main) – SSD 500 GB (secondary)
- **Bluetooth:** 4.2
- **Wi-Fi:** 802.11 AC
- **Battery:** 8000 mAh 6 cell
- **Charger:** 19V 4.74A
- **VESA:** 10 x 10 cm
- **Easywave RF module:** optional
- **Pen and touch:** 10 touch points
- **Operating System:** Windows 10 Pro

Accessories



Carrying case



Charger

Optional Accessories



Measuring tape



USB cable



Deye

Dialog
AUSILI MEDICALI



Dialog Ausili S.r.l.

Via Praga 20, Zona P.I.P.

Marrubiu 09094 (OR) Italia

+39 0783 - 1925658

info@dialogausili.com

www.dialogausili.com