

THE DYNAVOX EYEMAX

The DynaVox EyeMax System is the newest, most advanced access method available to communicators using the DynaVox Vmax. The DynaVox EyeMax System enables users of a DynaVox Vmax to access their communication device using their eyes, giving individuals direct, non-intrusive access to the powerful features of the Vmax.

DynaVox is the first company to build a fully-functional, integrated augmentative and alternative (AAC) device and develop an eye tracking system that can be used to access its features. The EyeMax System is comprised of two parts: a Vmax and an EyeMax accessory.

The EyeMax accessory may be shipped with a new Vmax, or purchased separately for an existing Vmax. Once mounted onto an AAC device or wheelchair, it can be removed as the user's needs, settings and access requirements change.



THE DYNAVOX VMAX

The Vmax is the most widely used, and the most powerful speech-generating device (SGD) available for augmentative and alternative communication. An integrated system of hardware and Series 5 Software works seamlessly to ensure maximum flexibility, while providing concrete structure and consistency in page layout and navigation for users with a broad range of abilities. It includes unparalleled voice projection and clarity with powerful speakers and AT&T Natural and Acapela HQ Voices. The Vmax also offers the widest range of access methods in the industry. The EyeMax accessory is the newest and most advanced of these available access methods.

► COMMUNICATOR PROFILE

The EyeMax System can be used by people of all ages and cognitive abilities with direct vision in one or both eyes. It provides freedom for limited head movement, eliminating the need to manually focus the system. The EyeMax System can be used by individuals with Cerebral Palsy, ALS, spinal cord injuries and many other genetic and degenerative conditions, as well as those:

- Seeking a faster access method than is available with scanning
- Needing customization options
- Wearing contact lenses or glasses
- Using both eyes or a single eye
- Functioning with a degree of controlled head movement*

** For full control over the system, the user should have the ability to look up, down, left and right. For those with limited vertical or horizontal movement, special pages can be made to allow access. Requires adequate vision to view the screen and to gaze on all areas of the 12.1-inch Vmax display, located approximately 24 inches in front of the user's eyes. The user must have the ability to focus on one spot for a brief period of time.*



► FEATURES & BENEFITS

The EyeMax System is designed with the user in mind. The Vmax is designed to withstand moisture, temperature and the impact of daily use, and provides an array of access methods to users of AAC. The EyeMax accessory is the newest addition to this variety of access methods for use with the Vmax. The EyeMax System's size and wide range of positioning options allow a user to communicate while maintaining the field of view necessary to navigate a wheelchair and effectively interact with a communication partner.

The EyeMax accessory is:

DURABLE AND PORTABLE

- Includes an internal battery for portability and freedom of movement
- Fully-enclosed in durable, molded polycarbonate
- Attaches to the Vmax easily, securely and without the need for tools, supporting changing access needs.
- Mounts to the Vmax for positioning as close 17" to the user, aiding in wheelchair mounting solutions
- Functional with a standard (open) or dedicated (closed) Vmax

RELIABLE

- Includes rapid, stable calibration, eliminating the need for frequent recalibration or caregiver intervention
- Functions in all light conditions in which the screen is viewable by the user
- Emits less infrared light than other similar systems
- Includes a full, one-year DynaCare service agreement with extended contracts available

INTUITIVE

- Takes moments to set up for quick communication
- Maintains calibration as long as a user's needs remain unchanged

FLEXIBLE

- Provides access to built-in infrared environmental control functions.
- Allows the user to adjust settings and program content independently
- Portability is effortless in any setting with the internal battery
- Provides access to all content in Vmax software

► USER INTERFACE & CONTENT OPTIONS

NAVIGATOR - FOR LITERATE ADULT USERS

Easy navigation. Fast communication.

Navigator, included on every new V and Vmax, offers all of the powerful features of Series 5 Software in manageable pieces, allowing you to choose the features best-suited to your needs. The interface provides quick access to speech, email, internet, computer, ebooks and environmental controls. Pages are structured, and buttons sized, with simplicity in mind, making it ideal for use with the EyeMax System.

An alphabet-based core word strategy, Navigator content is based on the most common core words used in daily communication. These same common core words are found within the vocabulary of the InterAACT framework. Navigator includes the adult, independent vocabulary of InterAACT, with a focus on social interaction and natural communication.

LANGUAGE AND LITERACY

Navigator is intuitive for literate users and designed to support fast, easy and independent communication. Alphabetized keyboards allow communicators to choose a single letter and access 12 of the most common core words beginning with the selected letter. Those same words appear on the page each time that letter is selected, allowing communicators to visually learn their location, further supporting rapid message composition. Additional keyboard-only configurations are available for message composition without core word configuration.

Navigator also includes important pre-programmed phrases commonly used by adults. Pre-programmed content is arranged on pages within three main categories:

- **My Conversation** – Supports natural communication in social settings.
- **My Needs** – Enables the communication of medical or personal needs.
- **My Home** – Helps individuals share topics related to daily events.

The selection of topics and content for these pages took into consideration the research of David Beukelman, Ph.D. and Laura Ball, Ph.D.*, lead researchers in the field of AAC.

INTERAACT FOR CHILDREN & ADULTS

The EyeMax System provides access to all InterAACT content. InterAACT is a language framework that allows people of all ages and abilities to communicate. It contains over 10,000 pages of pre-programmed content, organized by age (young child through adult) and ability (emergent to independent). These pages contain visual scenes as well as grid-based pages, all of which are accessible using the EyeMax System.

* Ball, L.J., Beukelman, D.R., Pattee, G.L. (2004). Acceptance of Augmentative and Alternative Communication Technology by Persons with Amyotrophic Lateral Sclerosis. *Augmentative and Alternative Communication*, 20(2), 113-122.

▶ ACCESS METHODS

DynaVox strives to match a user's challenging and changing access requirements. The EyeMax accessory is just one of many access methods available with the Vmax, which includes methods like touch enter and exit, visual and auditory scanning, joystick, audio touch, mouse pause, Morse Code and switch access.

The eye-gaze access methods available with the EyeMax accessory include:

- **Dwell Only** – Simply dwell on an object for a period of time determined by the user before a selection is activated.
- **Dwell/Blink combined** – The user dwells on an object for a period of time and can also choose to blink to activate the desired selection more quickly.
- **Blink Only** – A simple blink enables a user to quickly make desired selections, while allowing him/her to take time reviewing the page.

- **Select with Switch** - Activation and selection are used with an external switch. The system can also be "powered on" with a switch hit, allowing the user to independently engage the system.

MOUNTING

Mounting systems used with the Vmax also function with the EyeMax accessory. Compatible mounting plates, including VESA, are available for every major line of mounts. The positioning of the display in relation to the user is important. For best results, the system should be mounted in a position that is 17 to 28 inches from the user, parallel to the user's face. The tilt of the EyeMax accessory should match the user's head position. Please consult DynaVox Tech Support or the mount supplier of your choice regarding mounting configurations that allow the appropriate freedom of placement.

▶ EYEMAX SPECIFICATIONS

- EyeMax accessory weight: 2 lbs, 4 oz.
- Weight of entire system (Vmax and EyeMax accessory): 9 lbs, 2 oz.
- Total system dimensions: 13" H x 12.5" W x 3" D
- Working distance of eyes from the display: 17-28"
- Volume of allowable head movement:
H x W x D = 6" x 9.4" x 11"

INCLUDED WITH THE EYEMAX SYSTEM:

- EyeMax accessory with internal battery and Vmax bracket
- Power Supply for the EyeMax System
- DVD with instructional videos
- EyeMax Quick Start Guide
- 1 year of DynaCare
- Environmental Control (as included in the Vmax)
- Computer Access Capability
- Can be funded under the E2599 Accessory for an SGD code.

REQUIRED FOR THE EYEMAX:

- Vmax with either 512MB or 1GB of RAM.
- Version 1.05 or later of the Series 5 Software
- Mounting System (required for proper positioning of the system)

SAFETY

The EyeMax accessory uses two groups of Infrared Light Emitting Diodes to track the eyes. With special system components and pulsing algorithms, it subjects the user to less infrared light than other dark-pupil method eye-tracking systems. The maximum level possible with the EyeMax accessory in any condition does not approach short- or long-term emission limits set by government and industry standards.

▶ DYNACARE WARRANTY

DynaCare Extended Service Contracts help ensure that unexpected repair bills never strain your budget, and are available in packages for purchase year-by-year or in money-saving, multi-year plans. DynaCare extended service contracts allow you to extend your original, all-inclusive one-year

guarantee. An extended service contract can be purchased with the device (deferred), or after the device is already in use, in which case a device inspection may be required.

▶ THE DYNAVUX DIFFERENCE

At DynaVox, we believe that our products are more than just hardware, software and technology—they are a person's pathway to a world of expression. This belief inspires us to strive for excellence as we help you build a solid foundation for communication. This difference

is evident in the support you receive from our dedicated Sales Consultants, technical support team, live and on-line training programs, funding resources and DREAM, our loan and rental program. Your relationship with DynaVox is a partnership that we are privileged to share. To locate your DynaVox sales consultant, please visit dynavoxtech.com or call 1-866-DYNAVUX.

