

tobii dynamox

# I-Series+

## Communication Unbound



Power to be You

# Communication Unbound

The Tobii Dynavox I-12+ and I-15+ are speech generating devices that enable effective communication in all forms – from voice output, environmental control and computer access to long distance communication. The rugged design, unparalleled power management as well as touch and gaze input support are just a few of the things that make the I-Series+ ideal for those who rely on augmentative and alternative communication (AAC).

## A more independent life

The Tobii Dynavox I-Series+ consists of the I-12+ and I-15+, two speech generating devices that can be controlled through an optional gaze interaction via a built in eye tracker. The I-Series+ has been specifically designed for individuals with Cerebral Palsy, Rett, ALS or Stroke/Aphasia, who rely on assistive and augmentative communication to make their voices heard in order to live more independent and integrated lives.

## Equipped with the best performing and most robust eye tracking technology

Compared to its predecessor, the new eye tracker in the I-Series+ is based on an additional five years of research and development, as well as test data.

This knowledge has been packaged as new patents, new eye models and the world's first eye tracking Tobii EyeChip™.

The eye tracker sets a new standard when it comes to robustness. Not only is it a fantastic eye tracker under ideal conditions, it also provides great eye tracking performance for 95% of the population.

## Ready When You Are

The I-Series+ devices are designed to work with your preferred method of communication – no matter where you are. The attention to detail in the I-Series+ devices allow for communication around-the-clock. The devices are fast, rugged, powerful and support all input methods including: touch, switch, scanning and gaze interaction.

## Batteries that last, and last - Power management at your command

The I-Series+ has a 9-hour battery lifetime as well as many other features that allow you to manage power and extend usage further.

The hot swappable batteries allow for endless communication as they can be charged and changed without disrupting usage or losing data.

The built-in auto brightness adjustment adapts to light levels and optimizes energy consumption. In addition, all power settings are accessible via Windows Control.

## Wake-on-Gaze™ and Sleep-on-Gaze™

With the unique Wake- and Sleep-on-Gaze™ functions, a simple glance puts the I-Series+ device to sleep or wakes it up. This means that you can turn the device on or off easily whenever you want, conveniently helping you save battery life. Wake- and Sleep-on-Gaze™ also make you less dependent on your caregiver.

## Versatile mounting

The wide range of mounting options for the I-Series+ means you can communicate from almost any location, like in bed, at the dinner table, at school, etc. The wedge design and auto screen rotation lets you stand the device upright by itself for gaze interaction or lay it down for touch interaction, without having to mount the device. While on the move, a built in handle makes carrying between locations easy. The devices also come with a reversible mounting plate that supports both REHAdapt and Daessy mounting systems for use at home or school.

## One button takes you home

The I-Series+ has three quick access buttons on the side, two of which can be programmed to say a phrase, dial a number, navigate to a page or perform a range of other actions. The third button gives you quick access to the Tobii Dynavox Communicator home screen, so that caregivers always will have easy access to the most commonly used functions.

## Socially Connected

Whether face-to-face conversations, staying in touch online or sharing personal moments with family or friends, the I-Series+ gives you total freedom of expression. The wide range of software and functionality allows you to

easily engage in daily communication through speech, as well as effortlessly connect with others via e-mail, text messaging, chat, Skype™ or through phone calls using Bluetooth® technology.

## Keeps you connected

The I-Series+ devices come equipped with input jacks, three USB ports (including one USB 3.0 port) and an HDMI input to easily connect to an external screen. WiFi and Ethernet functionality allow you to connect to the Internet through wireless and cable connections. Each connector has a special seal for increased durability.



The I-Series+ devices reflect a clean and modern design while still being able to withstand the demands of everyday life.



Whether face-to-face conversations, staying in touch online or sharing personal moments, the I-Series+ gives you freedom of expression the ability to live a richer and more independent life.

“The device has been integral in helping me remain in work. Without it I wouldn’t be able to work. I have been unable to use my fingers to type since around November 2013. I have used the eye gaze system since then.” Steve Burns, ALS.

#### Built-in cameras

Take beautiful pictures that document your day and communicate face-to-face with others online. I-Series+ devices are equipped with one camera facing forward and another one facing you. The forward camera features an autofocus function, so you can take photos whenever you like and then share them online or on a screen at home.

#### Stay social

Take advantage of all forms of communication with the I-Series+. Write emails to your friends and family, access social networking sites like

Facebook and Twitter, and give friends and family updates about yourself through a blog or a personal website. The unique Tobii Dynavox Gaze Interaction software with built-in zoom and the premade Communicator and Compass pagesets allow you to easily use Skype, Facebook as well as other social media applications, with near pixel precision.

#### Improved IR

Environmental control works by remotely controlling IR enabled devices directly from your I-Series+ device. Using only your eyes, you can take control of things in your

home or in the office like doors, lights, air conditioner, telephone, TVs, and more.

The IR technology in I-Series+ devices come with a built-in GEWA IR-module that ensures great signal quality and broad compatibility with your IR enabled devices.

#### Text or call friends and family

Make calls, using synthetic or natural speech, or send and receive text messages by yourself. The built in Bluetooth® allows you to connect your I-Series+ device to a mobile phone.

## Dependable and Beautiful Design

The I-Series+ devices are designed with a purpose – to provide you with efficient communication, while withstanding the demands of everyday life. Take it to the beach without worrying about damage from the sand. Use it on the subway and still be heard. Switch users at school without losing your personal settings. I-Series+ devices are convenient, reliable, tough and built to be used.

## Modern and rugged design, built to last

With a clean, modern design, integrated optional eye tracker and no cables or other components sticking out, the devices are easy to clean, less prone to getting caught on things and do not draw unnecessary attention. A solid state hard drive allows for fast startups and withstands impacts. Being IP43 classified means that the I-Series+ devices are proven to resist moisture and small particles.



The devices are compatible with Windows 10 which is optimized for touch input and easier for gaze interaction users.

## Scratch resistant capacitive screen

Engineered for a combination of thinness, lightness, and damage-resistance, Corning® Gorilla® Glass is often used as the touch glass for portable electronic devices. Now it is also available on an AAC device.

The screen utilizes capacitive touch technology, which lets you control the device with the slightest touch and requires minimal muscle strength to operate.

## Works with Microsoft® Windows 10

The devices are compatible with Windows 10, which is optimized for touch input. With a system optimized for touch, it is easier to operate with the finger and easier for those who use gaze interaction as their input method.

## Loudest voice on the market

Communicate clearly, even in noisy environments. The two built-in speakers

feature closed speaker boxes, custom EQ settings and a special speaker mesh that provide the highest quality sound without distortion, even at loud levels. Optimized synthetic speech with many voice options gives you plenty of possibilities for finding a voice that fits your personality. I-Series+ devices do not contain fans, thus eliminating a potential source of noise.

## Automatic backup

Losing pagesets, files, pictures or other data is a thing of the past. The included memory card automatically backs up all your important files and folders. This allows you to roll back to the last three backups, so no communication time is lost.



The "dwell-free typing" keyboard gives literate users the chance to increase their typing speed by 50-100 percent.\*



The two built-in speakers provide high quality sound without distortion, even at loud levels.

## The Tobii Eye Tracking Advantage

The eye tracking technology within I-Series+ devices is unique. It is easy to set up and use, highly accurate and extremely reliable.

### High precision and accuracy

Tobii eye tracking technology allows you to hit even the smallest targets on the screen, almost with pixel precision, again and again. I-Series+ devices feature gaze interaction with optimized zoom, making computer access even easier.

### Large trackbox

The trackbox, the imaginary volume within which you can move your head, is among the largest on the market and gives you the freedom to sit or lie down comfortably with maintained eye tracking performance.

### Head movement compensation

Move freely within the trackbox while maintaining superior precision and accuracy. Should you move outside of the trackbox, your I-Series+ device

will quickly find your eyes again and continue to track them.

### Superior trackability

Tobii Dynavox devices provide high-quality tracking results for over 95% of the users\*\*, compared to any other system, regardless of most lighting conditions, eye color, or if you are wearing contacts or glasses.

\* Compared to traditional dwell typing, typing speeds can be increased by 50-100 percent. Research shows that typing speeds of 20 words per minute can be achieved [Source: CHI, 09 Proceedings of the SIGCHI Conference on Human Factors in Computing Systems Pages 357-360] and some of our testers have even been able to reach typing speeds up to 30 words per minute.

\*\*results based on hundreds of thousands of diagnostic images and tests on approximately 800 individuals with different conditions, vision, ethnicities, everyday dust, smudges or blemishes around their eyes, with eyes out of focus, etc.

# Communication Your Way

The I-Series+ devices come with your choice of Compass or Communicator software. With either of these software choices, you have access to high quality voices, which include male and female voices, along with various ages, languages and accents\*.

## Tobii Dynavox Communicator

Tobii Dynavox Communicator is a software package designed to help individuals with communication disabilities communicate more efficiently. It converts text and symbols into clear speech, and offers easy-to-use tools for computer access, e-mail, text messaging, telephony, environmental control and more.

Communicator is an excellent solution for adults with intact language and who wish to maintain their independence, like those with Amyotrophic Lateral Sclerosis (ALS). It is also versatile enough for younger users.

## Tobii Dynavox Compass

Tobii Dynavox Compass is excellent for early communicators who need to grow language and literacy skills. Compass is also suitable for adults whose speech and understanding have been impacted by an event such as a stroke or brain injury. Supported through multiple communication tools, such as pagesets, access features, and more, Compass creates a world of communication possibilities. Included with Compass is the Compass Companion App. It allows you to access Compass on an iPad, which is great for practicing and modeling language.



## myTobiiDynavox.com

myTobiiDynavox.com is your free and personal cloud based solution for managing and backing up your communication tools, connecting with your communication support team, and sharing communication pages. With myTobiiDynavox, you can also download additional pagesets and voices, find supporting information like videos, and have direct access to technical support – everything to help you communicate more efficiently and to utilize your AAC solution to the fullest.

## For more information

Please visit [www.tobiidynavox.com/iseriesplus](http://www.tobiidynavox.com/iseriesplus) to find out more about Tobii Dynavox I-Series+ and how it can help you communicate more effectively and efficiently.

\* Availability of voices vary depending on the specific language.



The I-Series+ comes in two sizes, a 12" and a 15" screen. On both units the optional eye tracker is integrated within the device.

## Technical Specifications

	Tobii Dynavox I-12+	Tobii Dynavox I-15+
Model	With/Without eye tracker	With/Without eye tracker
Screen	12.1", Aspect ratio: 4:3, LED Backlit	15.0", Aspect ratio: 4:3, LED Backlit
Screen Resolution	1024 x 768 pixels (XGA)	
Touch Panel	Projected Capacitive Touch with Corning® Gorilla® Glass, 10 point multitouch	
Dimensions	30,7 x 27,4 x 10,5 cm 12.1 x 10.8 x 4.1 "	36,9 x 32,6 x 11,2 cm 14.5 x 12.8 x 4.4 "
Weight	2,8 kg, 6.2 lbs	3,8 kg, 8.4 lbs
Speakers	2 x 3 W Closed Box Speakers	
Microphone	1 x Analog Microphone	
Processor	Intel® Celeron Quad Core Processor J1900 (2M Cache, 2 Ghz)	
RAM	4 GB DDR3	
Operating System	Microsoft Windows 10	
Hard disk drive	2.5" SSD 120 GB	
SD-Card	MicroSD-Card 32 GB	
Connectors	1 x Connector for an HDMI 1.3 Connector Type A cable 2 x USB 2.0 1 x USB 3.0 1 x RJ45 100/1000 Mbit/s (Ethernet) 2 x 3.5 Switch connector interface 1 x 3.5 mm Headphone jack (stereo) with jack detection 1 x 24 VDC 2.5/5.5 mm (power connector)	

	Tobii Dynavox I-12+	Tobii Dynavox I-15+
Buttons	1 x Power On 1 x Volume Up 1 x Volume Down 1 x Menu 2 x Programmable	
WLAN (optional)	IEEE802.11 b/g/n Dual antenna diversity system	
Bluetooth® (optional)	Bluetooth® 3.0+HS	
IR Remote Control	GEWA Programmable IR Remote Control (Environmental Control Unit)	
Camera	Forward facing Camera 5 MP auto focus Camera facing user 2 MP fixed focus	
Eye Tracker	If included, then the Tobii IS4 module is used	
Battery Run Time (i)	~ 10.5 /9h (ii)	~ 9.5/8h (iii)
Battery Charge Time	Maximum 5.4 h (0-100%)	
Deskstand	Integrated	
Mounting System Supported	Tobii QR adapter plate for Daessy and REHADapt	
Power Supply	Input: Universal 100 ~ 240 VAC / 50 ~ 60 Hz Output: +24VDC / 0~2.71A	
IP class	IP43 (with I/O covers in place)	
<small>i. Indoor with continues communication and with Gaze Interaction if applicable. ~24 hours with power optimized scenario            ii. 10.5 h without eye tracker activated, 9 h with eye tracker activated            iii. 9.5 h without eye tracker activated, 8 h with eye tracker activated</small>		

Eye tracker	Tobii Dynavox IS4 Module
Working Distance	45 - 80 cm 18 - 32 in
Freedom of Head Movement @ 70 cm / 27.5 inches (Width x Height)	35 x 30 cm 13.8 x 11.8 in
Gaze Data Rate	60 Hz
Gaze Accuracy Under ideal conditions Across 30 x 20 x 20 cm head box	1.5° (Std dev 0.1°) 1.5° (Std dev 0.2°)

Eye tracker	Tobii Dynavox IS4 Module
Positioning Distance (from screen) Track box size (Width x Height) Track box depth	45 - 80 cm / 17.7 - 31.5 in 20 x 15 - 35 x 30 cm / 7.9 x 5.9 - 13.8 x 11.8 in 35 cm / 13.8 in
Gaze Precision (=sample to sample noise) Across head box, without filter	0.6° (Std dev 0.1°)

© TobiiDynavox™. Illustrations and specifications do not necessarily apply to products and services offered in each local market. Technical specifications are subject to change without prior notice. All other trademarks are the property of their respective owners.

We believe that everyone has the right to live their life to the fullest. Wanting to help people do just that, we provide them with the tools to communicate, become independent and do what they once were able to do or never thought possible.

[www.tobiidynavox.com](http://www.tobiidynavox.com)  
[www.facebook.com/tobiidynavox](https://www.facebook.com/tobiidynavox)  
[www.twitter.com/tobiidynavox](https://www.twitter.com/tobiidynavox)

2100 Wharton Street • Suite 400 • Pittsburgh, PA 15203 • USA  
 Box 743 • S-182 17 Danderyd • Sweden  
 For Customer Service and Technical Support please visit our website.

**tobii** dynavox  
[www.tobiidynavox.com](http://www.tobiidynavox.com)