

Features of the TD I-Series

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Dedicated Device

Specifics

- Dedicated eye gaze windows based device with integrated Tobii IS5 Eye Tracker

Why this feature may be important for the user

Simplified onboarding

- Users can start communicating immediately without complex setup, reducing technical barriers for families and professionals.

Reduced Risk of Misuse

- The device is initially set up for communication purposes only, with the ability to expand beyond communication with guidance from a caregiver or professional. This ensures the device is identified as an AAC tool from the first use.

Immediate Access to Communication

- Preinstalled software ensures the user can communicate as soon as the device is powered on.

Automatic Updates via Tobii Dynavox Update Notifier

- Updates occur seamlessly, keeping the device secure and functional without user intervention, reducing downtime and technical issues.

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Operating System

Specifics

- Dedicated eye gaze device with Windows Operating System

Why this feature may be important to the user

Familiar and Accessible Platform

- Using a Windows-based system provides a familiar, accessible and easily supported platform for both the user and their communication partners. This familiarity reduces cognitive load, making the device easier to learn and incorporate into daily life.

Continuity Across Environments

- Windows is widely used in schools, workplaces and the community, supporting continuity of use across environments. This ensures the device remains relevant and practical for long-term communication needs.

Flexibility to add software

- Because the TD I-Series runs on a Windows operating system, it provides flexibility to install a wide variety of software and programmes commonly used in home, school and work environments. These applications can be accessed via the user's preferred access method and software, supporting meaningful participation across settings.

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Weight and Portability

Specifics

- The TD I-Series is available in two models: TD I-13 (2.4 kg) and TD I-16 (2.7 kg).
- It is a robust eye gaze communication device designed primarily for mounting on wheelchairs, table stands or floor stands to ensure optimal positioning for accurate eye tracking.
- While not intended for handheld portability, the device is still light enough to be comfortably handled and securely attached to Rehadapt or DAESSY mounting systems.
- A TD travel backpack is included, supporting safe transport between environments and protecting the device during transit

Why this feature may be important for the user

Ease of handling for Caregivers

- Reduces physical burden on caregivers by being easy to handle, attach to mounts and adjust. The balance of durable design and manageable weight supports both functional use and practical handling during mounting and positioning.

Safe Transport Between Environments

- The TD I-Series can be transported safely between environments using the TD travel bag, ensuring the device is ready for use in any setting—home, school, work, or the community.

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Screen size

Specifics

- The TD I-Series is available in two models with different screen sizes:
 - **TD I-13:** 13.3" screen
 - **TD I-16:** 15.6" screen
- Both models feature a 1920 × 1080 resolution, LED backlight and anti-reflective coating for improved visibility in various lighting conditions.

Why is this feature may be important for the user

Improved accessed and visibility

- Larger screens support increased ease of access for users with visual or motor challenges, reducing eye strain and improving accuracy.

Enhanced Vocabulary Display

- Larger grids allow more vocabulary on a single screen, reducing navigation and the number of selections needed to reach a word.

Communication Efficiency

- A larger screen can enhance communication efficiency, reduce frustration and support long-term engagement with the device by making selections easier and more accurate with reduced navigation and number of hits to access the word required.

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Volume

Specifics

- The TD I-Series has two inbuilt 10W speakers designed specifically for clear, high-quality voice output.
- Speaker placement is optimised to project sound toward the communication partner, ensuring messages are heard clearly.
- Eye gaze accessible physical volume buttons allow for quick and easy adjustments without needing to navigate software menus.

Why this feature may be important for the user

Clear and Consistent Communication

- Ensures the user's voice is heard and responded to, which is essential for meaningful interaction, communication development and reinforcing that their communication efforts are valued.
- Being able to communicate clearly and be understood enhances confidence, social connection and emotional well-being, encouraging sustained use of the device
- Accessible controls enable independent volume adjustment, reducing reliance on carers or support staff.

Reduced Communication Breakdown

- Supports effective communication exchanges, reducing communication breakdown and frustration for both the user and their communication partners.
- Reliable audio output allows users to participate in conversations without relying on others to repeat or clarify, fostering independence and reducing dependence on caregivers.

Promotes Social Participation

- Supports social participation in a wide range of activities and environments without limitations due to background and environmental noise.

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Partner Window

Specifics

- The Partner Window is a secondary screen located on the back of the TD I-Series.
- It displays the user's generated text or spoken messages in real time, allowing the communication partner to read what is being said.
- Can be toggled on/off with options such as "show text while speaking" or "ellipsis while typing", giving the user control over what their communication partners can see.

Why this feature may be important for the user

Enhanced Visibility of Communication

- Helps the communication partner know to wait because the user is constructing a message.
- Supports face-to-face exchanges, discourages the communication partner from looking over the user's shoulder.
- Reduces misunderstandings by displaying the typed message.
- Helps avoid frustration caused by partners looking over the user's shoulder or missing cues that a message is coming.

Improved Responsiveness

- By making communication output easy to see and read, it supports timely responses from others, even in noisy or group settings.

Natural Interaction Flow

- Allows for face-to-face engagement during conversations.

Inclusive Social Engagement

- Promotes active participation in conversations across various environments - classrooms, workplaces, meetings and social gatherings - by reducing barriers to interaction.

Acknowledgment and Value

- Reinforces that the individual's message contributions are important, fostering confidence and social presence.

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Wake on Gaze

Specifics

- The Tobii IS5 eye tracker includes a Wake on Gaze function.
- When the user looks toward the screen, the built-in eye tracker detects their presence and automatically wakes the device from sleep mode without requiring physical touch or partner assistance.
- The user can independently place the device in sleep mode via looking below the eye tracker to activate the offscreen menu.

Why this feature may be important for the user

Promotes Independence

- Enables immediate, self-initiated access to communication whenever the user is ready.
- Reduces reliance on others to power on the device, supporting autonomy and minimising frustration or waiting time.
- Encourages spontaneous communication, allowing users to respond or initiate interaction without delay.

Allows for Privacy

- The user can independently turn the screen off when sending or receiving personal messages, emails, browsing the web, or reviewing conversation history, maintaining discretion in social or professional settings.

Preserves Battery

- Turning the screen off independently when not in use helps reduce power consumption, lowering the risk of running out of battery and minimising the need for frequent charging.

Reduces Carer Burden

- Minimises the need for caregivers to physically power on the device, especially helpful for night time use or when the user is alone.
- Reduces the technical demands on support staff.

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Adaptive Buttons

Specifics

- The inbuilt adaptive buttons on the eye gaze bar can be programmed for functions such as pausing eye gaze, recalibrating, checking eye gaze position.
- Adaptive buttons can be programmed to be access via eye gaze, touch or either.

Why this feature may be important for the user

Quick and Efficient Adjustments

- Enables important changes without navigating complex menus, ensuring efficient communication access throughout the day.

Promotes User Independence

- Users can initiate recalibration or pause eye gaze themselves, fostering autonomy and reducing reliance on others for basic adjustments.

Reduced Caregiver Burden

- Carers or support staff can manage essential functions easily, reducing setup complexity and making the device easy to use.

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Battery Life

Specifics

- Up to 6.5 hour battery run time, up to 8 hours with included battery pack.

Why this feature may be important for the user

Continuous Access to Communication

- Longer battery life ensures the device is available throughout long days at school, work or in the community, allowing users to communicate whenever and wherever needed.
- Consistent power means users can take part in activities wherever they are - home, community, classroom, therapy or social settings.

Prevents Communication Breakdowns

- Reliable power reduces the risk of the device battery running out mid-day. This ensures users can express themselves clearly, avoiding frustration associated with being misunderstood.

Promotes Independence and Safety

- Enhances safety and wellbeing by reassuring the user that their communication device will always be available when needed, giving them autonomy to express needs and respond in critical situations.

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Durability

Specifics

- The TD I-Series is a dedicated, all-in-one communication device built into a rugged protective case for use across diverse environments — home, school, work and community.
- Ingress Protection (IP) rating of IP54 – device is dust-protected and resistant to water spray from any direction, allowing for safe use both indoors and outdoors.
- The device's internal wiring design eliminates exposed ports and external cables, reducing the risk of accidental damage.

Why this feature may be important for the user

Promotes Access and Social Participation

- Allows the user to confidently use the device across multiple environments, including outdoor and community settings, without fear of damage.
- Designed to remain reliable and resilient in shared or busy environments, including situations where the user or others (such as classmates, peers or housemates) may move unpredictably or handle objects impulsively. This robust design helps protect the device from accidental knocks or drops, ensuring consistent, dependable access to communication across all settings.

Reduced downtime

- Reduces risk of damage in busy or high-activity environments (e.g., home, classroom, workplace).
- The durability and protection reduces downtime and repair frequency, ensuring the user is not left without communication access.

Cost -Effective

- Improves cost-effectiveness by extending the lifespan of the device and reducing repair or replacement needs.

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Access Options

Specifics

- The TD I-Series supports a range of access methods – eye gaze, direct touch, switch scanning and alternative mice.
- The TD I-Series includes;
 - Integrated Tobii IS5 Eye Tracker
 - Wide track box (20 × 15 cm to 35 × 30 cm) for accurate gaze detection even when the user shifts position or moves within their seating system.
 - Outdoor eye tracking capability ensures reliable performance in natural light and varied environments.
 - Anti-glare screen and coated eye gaze camera maintain accuracy in bright or variable lighting conditions.
 - Two in built switch ports
 - USB ports for alternative input devices such as keyboards, mice or joysticks.
 - Bluetooth connectivity for wireless access tools, including alternative mice.

Why this feature may be important for the user

Accurate and Reliable Eye gaze Access

- The Tobii IS5 Eye Tracker on the TDI-13 provides highly accurate and consistent eye-gaze control, reducing frustration and access errors while increasing communication speed and efficiency.

Flexible Position and Lighting

- Track box size allows accurate gaze detection across a wide area, even when the user shifts position or moves within their seating system. This reduces the need for constant re-positioning and or re calibration minimising fatigue and frustration
- The TD I-Series anti-reflective screen and coated eye gaze camera maintain accuracy in bright or variable lighting. The Tobii IS5 module, designed for both indoor and outdoor use, ensures reliable tracking even with natural light. This allows users to communicate effectively across environments.

Choice and flexibility

- Offers users the option to choose the most efficient the most efficient method for different environments and situations (e.g., home, school, community) reflective of their physical needs.
- The TD I-Series supports both dwell and switch to select (eye gaze to control cursor and switch to select).

Support Skill development

- Enables skill development and adaptation as the user's abilities evolve, ensuring the device remains relevant and usable long term.

Adaptable Access for Now and in the Future

- Supports transitions between access methods over time, such as moving from touch to eye gaze or integrating switches as needed.
- Accommodates both current and future access requirements in one device, reducing the need for replacements and ensuring cost-effectiveness while supporting long-term success.

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Robust Vocabulary

Specifics

- I-Series supports the following communication software
 - TD Snap: symbol and text based
 - Motor Plan
 - Core First
 - Core First High Contrast
 - Express
 - PODD
 - Aphasia
 - Text
 - Snap Scene: Visual scene display
 - Communicator 5: Text based
 - TD Talk: Text based

Why this feature may be important for the user

Robust Communication

- Comprehensive symbol and text-based vocabularies enable users to express a full range of thoughts, needs, emotions and social messages, supporting communication autonomy and independence.

Supports Language and Literacy Development

- Robust vocabulary access supports the development of language, literacy, and social interaction skills.
- Allows for growth and progression from early communication to complex language structures and text-based communication.
- Visual scene displays (Snap Scene) provide contextual, image based communication that can support comprehension, engagement, conversation and early language development.

Communication Autonomy

- Enables the user to communicate across multiple environments - home, school, work and community - with consistent access to familiar vocabulary and communication tools.
- Supports personalised vocabulary organisation, ensuring faster access to frequently used words and improved efficiency in communication.

Long Term Success

- Contributes directly to long-term communication success, reducing frustration and enhancing communication outcomes by meeting the user's evolving needs.

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Voice & Message Banking

Specifics

- TD Snap - Acapela MOV 5, Model Talker, The Voice Keeper, Eleven Labs
- TD Talk - Acapela MOV 5, ModelTalker, The Voice Keeper, Eleven Labs
- Communicator 5 - Acapela MOV 5, ModelTalker, The Voice Keeper, Eleven Labs

Other voice banking options contact developer

Why does it matter?

- The user maintains their individual voice and identity.
- Family and friends get to hear a familiar voice.
- May support motivation by making the AAC system feel more authentic and emotionally meaningful to the user and communication partners.

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Distance Communication

Specifics

- TD I-Series comes with the following software which supports distance communication:
 - TD Phone
 - Text messaging
 - Phone calls using text to speech (Keyboard and store phrases)
 - Phone calls user verbal speech (Microphone)
 - TD Control and Browse (Accessible web browser)
 - Access email account
 - Access Whats App
 - Access social media platforms
 - Communicator 5
 - Text Phone page set (Compatible with Android only)
 - Email page set
 - Communicator 5 Join In accessible apps
 - Whats app
 - Facebook
 - Instagram
 - Facebook Messenger
 - Android SMS
 - Zoom
 - TD Snap: symbol and text based page sets
 - Copy message window text directly to accessible email or phone software/page set

Why this feature may be important for the user

Promotes Social Connection and Participation

- Enables users to maintain relationships and participate in conversations with family, friends, and peers, reducing isolation and supporting emotional wellbeing.

Supports Independence and Autonomy

- Provides direct access to calls, messaging and social media through eye gaze or alternative access methods, allowing users to initiate and manage communication without relying on others.

Enhances Safety and Wellbeing

- Reliable access to phone and messaging tools ensures users can request help, share urgent information and stay connected in critical situations.

Consistency Across Environments

- Allows communication at home, school, work and in the community using familiar platforms, supporting participation in everyday life.

Skill development and Progression

- Supports growth from early face-to-face communication using symbols or simple messages to advanced tasks such as composing and sending text messages or emails.
- Flexible tools adapt as the user's skills, needs and preferences change.
- Promotes independence and confidence by enabling progression from basic communication to complex social and functional exchanges, ensuring the device remains relevant throughout life stages.

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Computer Access and Recreation

Specifics

Communicator 5 including Join in Accessible apps

- Access the windows operating system for example window files, windows apps, Microsoft suite (subscription required) and a range of accessible apps (Facebook, Messenger, Instagram, Whats App, Android SMS, MSN news, You Tube, Spotify, NetFlix, Disney, Tik Tok, Kindle, Audible, Google Calendar, Google Translate, Twitch, Zoom) via any access method.

TD Control

- Access the windows operating system via eye gaze, allowing users to access software, websites, games, media and creative tools/software.

TD Browse

- Efficient access to a web browser specifically designed for eye gaze access.

TD Snap – Boardmaker Player

- Access to a range of interactive activities that support both recreational engagement and the development of access method skills.
- The content is highly customisable, enabling therapists and support teams to design activities that reflect the user's interests, goals and current developmental and access skill level.

Why this feature may be important for the user

Facilitates Enjoyment and Motivation

- Access to recreational activities such as browsing the internet, watching videos and playing games increases enjoyment and motivation to use the device regularly.

Meets a Range of Personal Needs

- Users can switch between communication, productivity and leisure applications to meet a wide range of personal, educational and professional needs. This versatility supports increased social connection, motivation and enjoyment, encouraging consistent and meaningful use of the device across environments and contexts.

Supports Skill Development

- Access to interactive recreational activities can facilitate the development of access method skills by offering errorless learning opportunities. This approach reduces the cognitive load typically associated with communication tasks, supporting user engagement and skill acquisition in a motivating and meaningful way.

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Environmental Control

Specifics

- The TD I-Series has an inbuilt, programmable infrared (IR) sender that allows users to control a range of household electronics such as TVs, sound systems and air conditioners directly from the device.
- The TD Snap has Google Assistant integration, allows the device to be connected to smart home technologies (e.g., smart speakers, lighting, or appliances).

Why this feature may be important for the user

Promotes Independence and Autonomy

- Provides the user with independent control of their environment, promoting autonomy and reducing reliance on others for everyday activities and tasks.
- Enhances participation across settings (home, work, school), supporting functional independence.

Enhances Daily Living and Leisure

- Supports access to leisure and daily routines (e.g., turning on music, adjusting lighting, or operating the TV) — fostering engagement and quality of life.
- Encourages consistent device use by integrating communication and environmental control in one system.

Reduces Caregiver Burden

- Minimises reliance on carers for routine tasks.

Skill Development and future needs

- Provides opportunities for users to start with simple tasks (e.g., turning on a TV) and progress to advanced smart home control as skills and preferences and needs evolve over time.

Cost Effectiveness

- Adds long-term value and cost effectiveness, as in built environmental control features reduce the need for additional assistive technology equipment.

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PWC Control

Specifics

- The TD I-Series is compatible with Ability Drive software, which allows the user to control a power wheelchair through eye gaze.

Why this feature may be important for the user

Promotes Independent Mobility

- Allows users to drive and adjust seating positions using eye gaze, supporting autonomy for those with minimal physical control.
- Enables switching between communication and mobility control using the same access method, reducing complexity and effort.

Reduces Caregiver Burden

- Minimises reliance on carers for repositioning and movement, simplifying daily routines and reducing physical support demands.

Enhances Safety and Quality of Life

- Maintains user control over movement, position and comfort, even as motor function declines, improving health and wellbeing.

Supports Progression and Future Needs

- Provides a possible future access solution should this be required, ensuring continuity of independence as physical abilities change over time.

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Mounting and positioning

Specifics

- TD I-Series comes with a Readapt Mounting Plate.
- A DAESSY mount plate can be added for use with a DAESSY Mounting system.

Why this feature may be important for the user

Supports Accurate Access

- Correct and stable positioning is essential for eye gaze, touch, switch scanning and other access methods.
- Accurate eye gaze access is only possible when the device is mounted correctly - inconsistent or inappropriate positioning can prevent calibration, reduce accuracy and make communication impossible.

Promotes Communication Autonomy

- Maintains stable and safe positioning for eye gaze use, allowing users to communicate independently across environments - home, school, work, and the community.
- Promotes communication autonomy and safety by maintaining stable and consistent positioning for any access method.

Enhanced Safety and Device Protection

- Reduces the risk of device drops, misalignment or injury during transfers or repositioning.

Reduces Caregiver Burden

- Simplifies setup and handling for caregivers, reducing physical strain and saving time when moving or adjusting the device.

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Technical Support and warranty

Specifics

- Tobii Dynavox dedicated devices including the TD I Series comes with a full 5-year care package including coverage against accidental damage. This will minimise ongoing cost and provide certainty that the client will have a reliable and long-term solution.
- The devices arrive ready set up minimising amount of setup time required.
- The devices are setup under a Tobii Dynavox MDM system which allows for them to be reset, apps reinstalled, minimising risk of users being locked out of device.
- Direct company presence in Australia and an accredited repair centre in Australia allows for faster access to repairs and support.

Why this feature may be important for the user

5 year Warranty

- Minimises financial risk for families and organisations by covering repair or replacement costs for five years.
- Ensures continuity of use, as devices can be repaired or replaced without significant delays or unexpected expenses.
- Encourages adoption by reducing concerns about long-term viability and maintenance costs.

Faster Turnaround

Having an authorised repair and service centre in Australia means:

- Quicker repair times, reducing the duration a user is without their communication device.
- Less disruption to communication routines, which is critical for users who rely on AAC for daily interaction.
- Increased trust in the device's reliability and the provider's commitment to local support.

Ongoing Assistance

Technical support is available via phone, email, and online booking through an Adelaide-based support team. This includes:

- Device setup and troubleshooting for both trial and purchased devices.
- Support throughout the full warranty period, ensuring users and support teams are never left without help.

Flexible access to support via multiple channels, including scheduled sessions that allow for better preparation and efficiency.

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Clinical Support

Specifics

- Each TD I-Series device includes a 1-hour remote setup session with a clinical team member.
- This session provides personalised assistance to set up the device to meet the user's individual communication and access needs.
- Clinical team members can share relevant resources, training and implementation materials to ensure both the user, their therapist can confidently use and maintain the device.
- Tobii Dynavox provides a wealth of training materials through:
 - The Learning Hub, which offers curated content for communication partners and professionals.
 - MyTobiiDynavox professional accounts, enabling therapists to access software, customise pagesets and prepare for trials.
 - On-device guides and training cards, ensuring users and carers can access help even when offline.

Why this feature may be important for the user

Efficient set up

- The initial setup session ensures the device is set up and ready to use as soon as the user is ready, reducing delays in access to communication and any technical barriers. Early support helps users and teams feel confident and prepared, encouraging immediate engagement with the device. Access to training materials and guides from the start promotes smoother onboarding and skill development.

This early support:

- Builds confidence in using and supporting the device.
- Promotes consistent use by reducing the learning curve.
- Enables proactive troubleshooting, reducing frustration and increasing ongoing functional use of the device.

Increased Independence

- Clinical support empowers users and their teams to confidently operate and maintain the device, reducing reliance on external technical assistance.
- Access to training and implementation resources enables users to troubleshoot and adapt the device independently, supporting autonomy in communication.

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Companion License

Specifics

- The TD I – Series comes with two companion licences for TD Snap®, allowing the software to be installed on additional devices such as a family member's iPad or a carer's tablet. These licences are part of the broader Tobii Dynavox ecosystem and are designed to extend access to communication tools beyond the primary AAC device.

Why this feature may be important for the user

Empowerment and Confidence

- When communication partners are equipped with the same tools, they are more confident and proactive in supporting the user. This collaborative environment fosters a sense of shared ownership and reduces the likelihood of the device being underutilised, leading to long term success.

Enhanced Support from Communication Partners

- Family members, carers, educators and therapists can install the same software on their own devices. This enables them to model language, customise vocabulary and provide real-time support, which is essential for successful AAC implementation and user engagement.

Ease of Programming and Customisation

- Others can use companion licences to pre-program and personalise vocabulary sets without needing the primary device in hand. This reduces downtime and ensures the device is always ready for the user, increasing the likelihood of sustained use.

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