

TD I-110 (gen2) Feature Matching and Clinical Rationale



This rationale support guide is intended to assist the AT prescriber with understanding features and why they may or may not be important to a particular user. The points listed in this document are examples only and will not apply to every user. Emphasis has been placed on identifying individual and environmental factors which may lead to choosing one device over another, supporting long-term and sustainable use.

How to Use This Guide

Use this guide throughout the AAC Trial Process. From the list of features, select a device feature to explore what it is and why it might be important for the user.

Assess

During the assessment phase use this guide in conjunction with the [Feature Matching Framework](#) and product comparison charts. [Touch Device Comparison Chart](#). This guide will provide common examples on the practical application of features.

Compare

When comparing devices, prescribers and users can identify examples relevant to their needs. These examples may highlight why one device is more suitable than another for achieving communication goals.

Fund

During the AT prescription and funding application process, use this guide to build a clear rationale for device recommendations. The AT prescriber can highlight relevant examples to help build their rationale for recommending a particular device when completing applications.

Features of the TDI-110 (Gen 2)

Select a device feature to explore what it is and why it might be important for the user.

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Dedicated Device

Specifics

The TD I-110 (gen 2) is dedicated to communication using TD Snap AAC software on a windows based operating system

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.
- Hardware supports communication from the ground up e.g. when considering speakers, they are chosen to support voice output

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.

Consistency Across Devices

- Preinstalled software is part of the broader Tobii Dynavox ecosystem, allowing for syncing and sharing of pagesets across devices using a myTobiiDynavox account.
- Supports continuity of use across environments (e.g., home, school, therapy), which is a key factor in long-term success.

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Operating System

Specifics

- Windows operating system

Why this feature may be important for 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.
- The user interface is not distracting and is designed to be dedicated for communication. This is particularly important for a person who is learning the difference between a device for communication (e.g. dedicated device) and a device for leisure (a commercial tablet with games)

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-110 (gen 2) runs on a Windows operating system, it provides flexibility to install a 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

- Weighs 1.4kg
- Includes a shoulder strap
- Can be transported in the included hard shell carry case

Why this feature may be important for the user

Enhances Contextual Communication

- A lightweight, portable device is easier to carry and use across multiple environments—home, school, work, and community.
- Users can choose when and where to use AAC based on their needs and surroundings.
- Manageable weight supports use by both children and adults

Reduces Physical and Emotional Barriers

- Heavier or bulkier devices can be physically fatiguing or socially stigmatising, leading to reduced use.

Enables Greater Support from Others

- Portability makes it easier for family members, carers, and therapists to assist with setup, transport, and use, supporting sustained long-term use.

Promotes User Autonomy and Choice

- The ability to carry the device independently gives users greater control over their communication - choosing where, when and how to use their AAC.
- Can be held, mounted, carried with a shoulder strap or placed on a desk for users or caregivers to carry the device comfortably while keeping hands free for other tasks.
- For users who require it, there is an option to add a carry handle on to the device which may reduce the risk of dropping the device

Hard Shell Carry Case

- **Durability:** Protects the device from bumps, drops, and environmental wear—essential for active users or travel.
- **Portability:** Makes it easier to transport the device securely between home, school, therapy, or outings.
- **Organisation:** Often includes compartments for accessories like chargers, mounts, or styluses.

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Screen Size

Specifics

- 10.1 inch screen

Why this feature may be important for the user

Supports Visual and Access Needs

- Large enough to display clear, easily selectable symbols, buttons, and text—supporting users with visual or motor challenges—while still being compact and lightweight enough for comfortable daily use
- The screen size also accommodates a range of grid sizes and vocabulary sets without feeling cramped, which helps users grow their language skills over time.
- provides an ideal balance between **visibility and portability**. Because it's neither too small to see nor too heavy to carry, it supports independence and comfort—key factors in maintaining consistent AAC use and supporting long term success.

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Volume

Specifics

- Includes dual 4-watt speakers built specifically for clarity of voice output, minimising distortion at louder volumes.

Why this feature may be important for the user

Improved Social Interaction

- Loud, clear speech output helps users participate in conversations without frustration or repetition. For example:
 - Busy household with multiple people engaging in conversation
 - Regularly attends social functions in large spaces / multiple people with potential background noise (church, pub, clubs, meetings etc)
 - Attends school, work, voluntary work with louder environments

Increased Confidence

- Inbuilt speaker eliminates common Bluetooth issues found on some other devices such as connectivity problems, audio delays, and battery drain. When users are confident they will be heard clearly, they are more likely to initiate communication.

Environmental Flexibility

- Whether indoors or outdoors, the device remains functional—supporting consistent use.

Reduced Reliance on Caregivers

- Users can operate volume controls independently via the TD Snap software or the physical volume buttons, promoting autonomy.

Enhanced Accessibility

- Clear audio benefits users with hearing impairments or auditory processing challenges.
- Clear, loud audio ensures that the user's voice can be heard in noisy environments like classrooms or outdoors. Being heard and understood increases communicative success, a key factor in maintaining motivation to use the device.
- Strong, high-quality audio output is essential for AAC users, as it allows their messages to be understood without repetition or strain. This supports more natural communication, helps the user feel confident and included in conversations, and ultimately reduces frustration or disengagement.
- Audio feedback can be sent to an external device such as a personal speaker, while audio output uses the device speakers.

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Battery Life

Specifics

- Approximately 10 hour battery run time

Why this feature may be important for the user

All-Day Reliability

- Users can communicate without worrying about mid-day power loss, especially in school, work, or social settings. With up to 10 hours of active use, the TD I-110 (Gen 2) can last a full school or work day without needing to be recharged. For example, a student can use their device during morning classes, lunchtime, therapy sessions, and the trip home—all on a single charge

Reduced Anxiety

- Reliable power throughout the day minimises concerns about unexpected shutdowns, enhancing user confidence and supporting consistent engagement in communication.

Greater Independence

- Long battery life means less reliance on caregivers for charging or troubleshooting.

Environmental Adaptability

- Whether indoors, outdoors, or on the move, the device remains functional—supporting multimodal communication across contexts.

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Durability

Specifics

- IP rating of 55 (dust protected and water protected)
- Gorilla Glass Screen
- Drop tested to 1.5m



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.

Long-term investment

- The TD I-110 (Gen 2) is dust-protected and resistant to low-pressure water jets, meaning it can withstand everyday splashes, spills, and exposure to dust or dirt.
- This is a good option for users who like water play, messy play, or who may spill saliva on their device during use. This is also suitable for users who may be more “rough” with their AAC device e.g. dropping, swiping off a table etc
- Built to withstand drops and everyday wear, the rugged design and Gorilla Glass screen minimise downtime and repair needs, keeping communication accessible and dependable.
- This level of durability allows users to take the device confidently between home, school, and community settings without worrying about damage. Knowing the device is reliable and robust supports consistent use in real-life environments, providing more opportunities to communicate when and where it is needed.

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Access Options

Specifics

- The TD I-110 supports direct touch
- Supports direct touch accommodations in TD Snap including hold time, connecting multiple taps, selecting buttons on release, auditory feedback
- Keyguards in a variety of grid sizes are available
- 2 inbuilt switch ports for switch scanning
- USB-C port for accessories such as a joystick
- Compatible with Bluetooth accessories



Why this feature may be important for the user

Personalised Access = Increased Usability

Users can interact with the device in a way that suits their motor, sensory, and cognitive profiles. This flexibility:

- Improves comfort and efficiency, making communication more intuitive.
- Reduces frustration, a common cause of device rejection.
- Supports evolving needs, allowing users to transition between access methods as their abilities change over time.

Supports Participation Across Contexts

Whether at home, school, or in the community, users can rely on their preferred access method. For example:

- A user might use touch at home but switch scanning at school.
- Keyguards can be tailored to specific page sets or motor needs, ensuring accuracy and reducing errors in high-demand environments.

This adaptability promotes consistent use, a key factor in long-term success.

Reduces Technical Barriers for Communication Partners

Features to restrict editing and secure keyguards simplify the experience for families and support staff, reducing the risk of accidental settings changes or software exits. This:

- Builds confidence among communication partners.
- Encourages more frequent and effective modelling, which is essential for AAC learning and retention.

Future-Proofing and Sustainability

The ability to integrate new access tools (e.g., headmouse, joystick) via USB-C or Bluetooth ensures that the device remains relevant and usable even as user needs evolve. This future-proofing:

- Extends the device's lifespan.
- Reduces the need for replacement, supporting sustainable use and better return on investment. [Back to List of Features](#)

Robust Vocabulary

Specifics

- TD Snap is included as a perpetual license (no monthly subscription)
- Includes all TD Snap pagesets in cost of device
- Communicator 5

Why this feature may be important for the user



Robust and Flexible

- TD Snap is considered robust in vocabulary because it offers a comprehensive, flexible, and customizable communication system designed to support users across all stages of language development.
- TD Snap includes several professionally developed page sets, each tailored to different communication styles and developmental levels:
 - PODD: Based on Gayle Porter's Pragmatic Organisation Dynamic Display strategy.
 - Motor Plan: Uses consistent motor patterns to help users find words quickly and efficiently.
 - PODD: Based on Gayle Porter's Pragmatic Organization Dynamic Display strategy.
 - Express, Text, Scanning, Aphasia: Each supports specific user needs, from simple expression to advanced text-based communication
- Words are organized so they can be found in three selections or less, reducing cognitive load and increasing speed
- The Motor Plan layout ensures each word has a unique and consistent location, helping users build muscle memory for faster access. The Vocabulary Filter allows therapists or caregivers to control which words are visible, making it easier to focus on specific targets during therapy or gradually expand vocabulary

Languages

- TD Snap supports a wide range of languages, including bilingual page sets (e.g., Spanish/English), making it accessible to diverse users

Supports Progression

- Users can transition from symbol-based communication to text-based as their literacy skills grow.
- This flexibility supports long-term language development and independence.

Personalisation

- Every page set includes space for personalization, allowing users to add names, interests, and context-specific vocabulary.
- This empowers users to express themselves authentically and adapt the system to their evolving needs.

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Distance Communication

Specifics

- TD I-110 comes with the following software which supports distance communication:
 - 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

TD Snap AccessIT Integration

TD Navio supports Tobii Dynavox's *AccessIT* accessory, which is a small USB device that plugs into a Windows computer and allows the user to control the computer using TD Snap via Bluetooth. It translates AAC selections into standard computer functions such as keystrokes, mouse movements, and clicks.

- Access IT -Web Browser
 - Access email and social media accounts via a web browser.
- Access IT- Gmail
 - Access Gmail from TD Snap Access IT Gmail page to send emails

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 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, Goodle Translate, Twitch, Zoom) via any access method.

TD Snap – Boardmaker Player

- Access to a range of interactive activities that support both recreational engagement and the development of access method skills for symbol-based communicators.
- 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

- Inbuilt, programmable infrared (IR) transmitter that allows users to control a range of household electronics such as TVs, sound systems, and air conditioners directly from the device.
- 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:

- Users can control their environment without needing physical assistance, which boosts autonomy and confidence.

Enhances accessibility:

- Especially important for individuals with mobility challenges, allowing them to interact with their surroundings more easily.

Supports daily living:

- Tasks like turning on the TV, adjusting lighting, or changing the thermostat become manageable and empowering.

Integrates communication and control:

- Users can communicate and manage their environment from one device, streamlining their experience.

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.

These controls transform the TD I-110 from just a communication tool into a gateway for greater independence and participation in everyday life.

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Mounting and Positioning

Specifics

- Kick Stand and carry strap included
- Ability to mount when mount plate is added on. This is compatible with Rehadapt, Daessy, and other industry-standard mounting systems.

Why this feature may be important for the user

Stable Access Across Environments

The strong, adjustable kickstand provides stability on flat surfaces, making it easy to use in various environments such as school, home, or therapy sessions.

Enhanced Portability

The included carry strap makes it easy to transport and use the device across settings, increasing the likelihood of consistent use.

Optimal Positioning for Comfort and Access

Proper positioning ensures the device is within reach, reducing fatigue and frustration. Ease of access contributes to increased use and improved communication outcomes.

Supports Engagement and Communication

When users are comfortable and supported, they can focus on communication rather than struggling with posture or device handling. This increases engagement and promotes long-term success of the device.

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Technical Support and Warranty

Specifics

- Tobii Dynavox dedicated devices come with a full 5-year care package, including coverage against accidental damage. This minimises ongoing costs and provides certainty that the client will have a reliable long-term solution.
- The devices arrive ready to set up, minimising the amount of setup time required.
- 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 the Adelaide Head Office. 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-110 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 offline

Why does it matter?

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

- Each TD I-110 device comes with **two companion licences** for TD Snap®, allowing the software to be installed on additional devices such as a family member's iPad. 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

Consistency Across Environments

- By allowing TD Snap to be installed on multiple devices, users can access the same communication tools at home, school, and in therapy. This consistency reinforces learning and reduces confusion, which is critical for users who rely on routine and predictability.

Enhanced Support from Communication Partners

- Family members, 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

- Professionals 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.

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.

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