

Isaac AAC

User Manual

Augmentative and Alternative Communication

isaac.healneo.eu



What is Isaac AAC?

Isaac AAC is an advanced augmentative and alternative communicator developed on the principles of speech therapy, neuropsychology, occupational therapy, and special education.

The app is available on iOS and Android, supports 7 languages (Slovak, Czech, Polish, Hungarian, English, German, Italian) and contains more than 15,000 symbols and 300+ voices.

This manual will guide you through the complete process of setting up and using the app step by step.

1

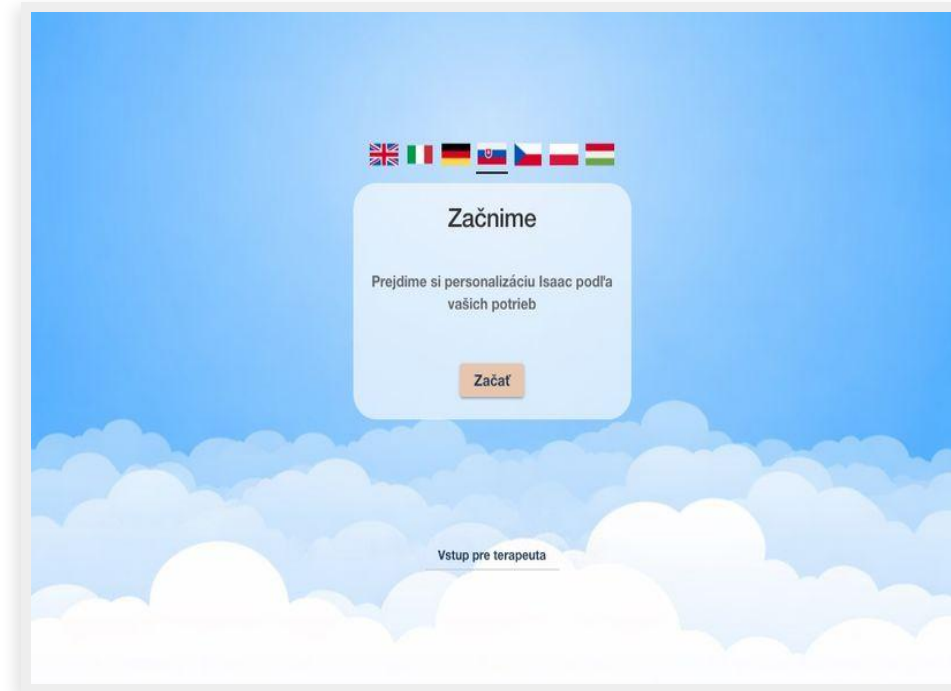
Onboarding Language Selection

At the top of the screen are flags of available languages: English, Italian, German, Slovak, Czech, Polish, and Hungarian.

Click on a flag to select the language in which instructions will be displayed throughout the entire profile setup.

Press the 'Start' button to begin the onboarding process.

At the bottom there is a 'Therapist Login' link — this option is intended for professionals who have their own account.



2

Therapist Login

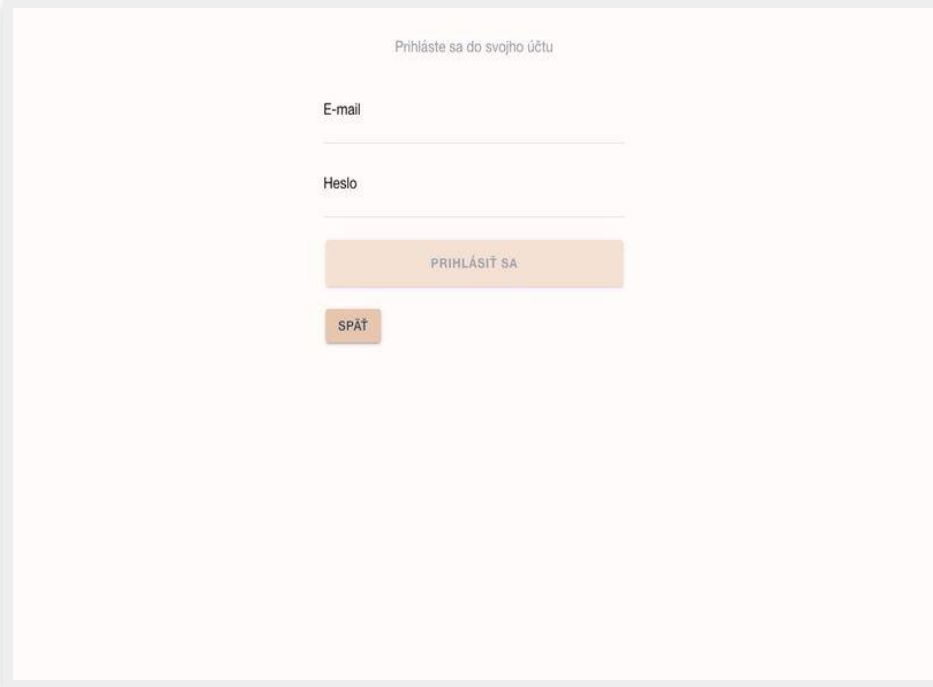
Therapists and professionals can log in via the 'Therapist Login' link on the welcome screen.

On the login screen, enter:

- E-mail
- Password

After successful login, all saved patient profiles will be loaded including their settings – language, voice, display mode, custom words, and other preferences.

Press the 'Back' button to return to the welcome screen.



Príhláste sa do svojho účtu

E-mail

Heslo

PRIHLÁSIŤ SA

SPÄŤ

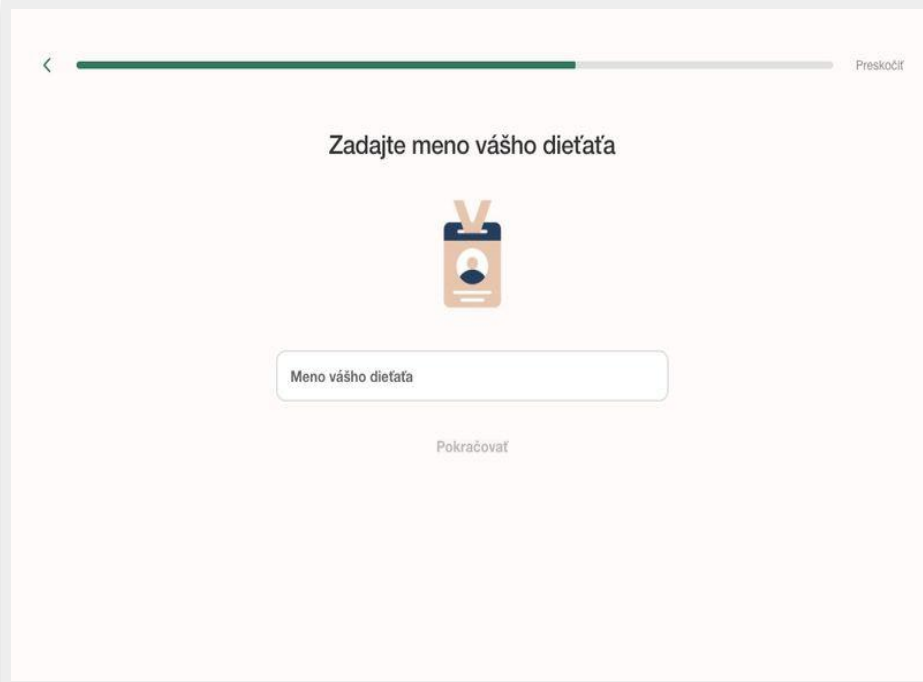
3

Enter the Child's Name

The first step of onboarding is entering the child's (or user's) name.

The green progress bar at the top shows which stage of setup you are in.

The 'Skip' button allows you to skip any step. Settings can be changed at any time later.



The screenshot shows a mobile application interface for entering a child's name. At the top, there is a green progress bar that is approximately 75% full, with a back arrow on the left and a 'Preskočiť' (Skip) button on the right. The main heading is 'Zadajte meno vášho dieťaťa' (Enter your child's name). Below the heading is an icon of a child's profile card. Underneath the icon is a text input field with the placeholder text 'Meno vášho dieťaťa'. At the bottom center, there is a 'Pokračovať' (Continue) button.

4

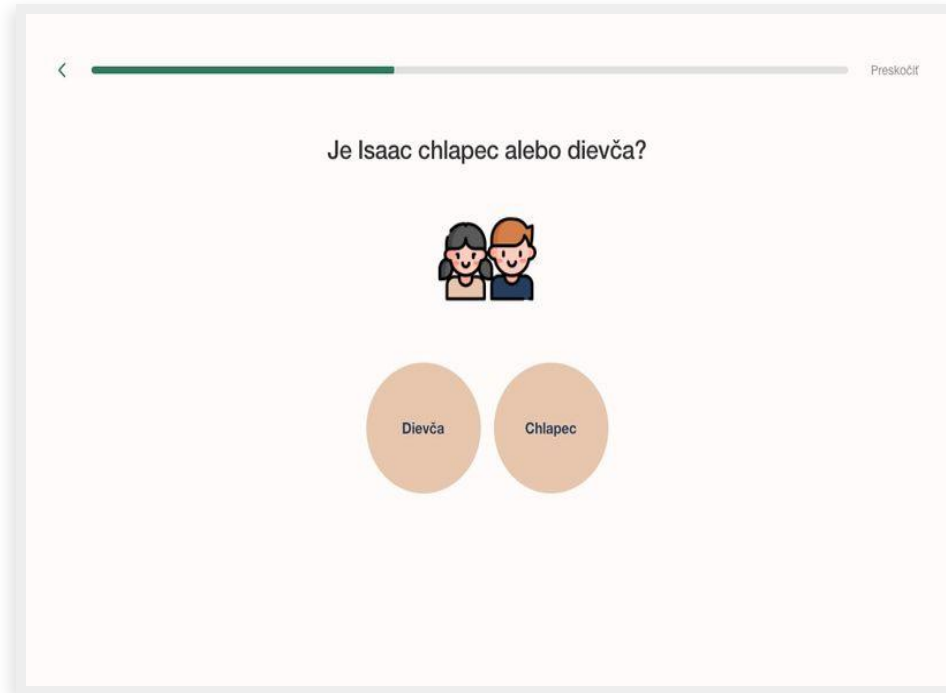
Gender Selection

Select whether the user is a boy or a girl.

This choice affects:

- Grammatical gender of voice output
- Voice customization (male/female)
- Personalization of texts and instructions in the app
- (Coming soon)

Selection is made by simply tapping one of the two round buttons.



5

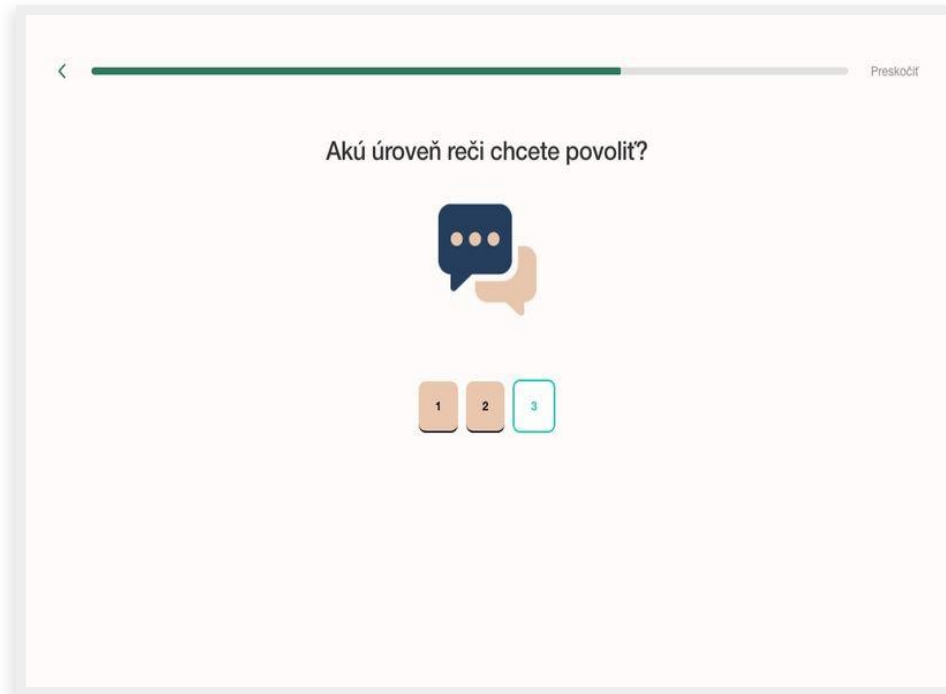
Speech Level Selection

Set the speech level that best matches the user's abilities.

Levels:

- Level 1 – basic words, simple symbols
- Level 2 – expanded vocabulary
- Level 3 – full vocabulary including more complex concepts

The speech level determines how many and which words are displayed on the communication board. A higher level adds more complex words suitable for the given age.



6

Diagnosis Verification

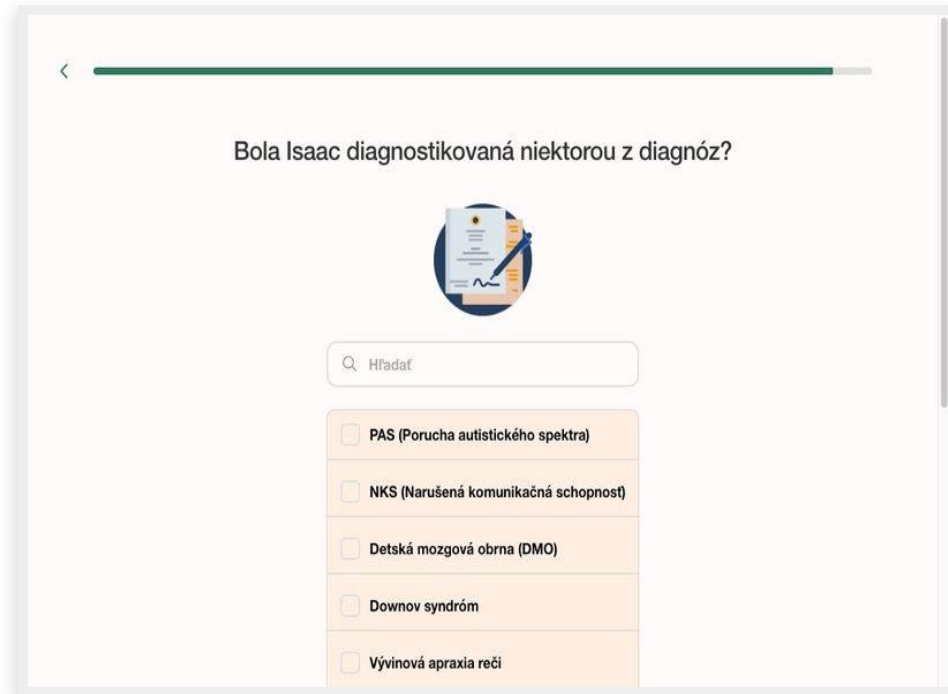
The app will ask whether the child has been examined by a specialist and whether they have a confirmed diagnosis.

If you select 'Yes', a list of common diagnoses for which the AAC communicator is suitable will appear:

- **ASD (Autism Spectrum Disorder)**
- **SLI (Speech-Language Impairment)**
- Cerebral Palsy (CP)
- Down Syndrome
- Childhood Apraxia of Speech
- And more...

Diagnoses can be searched using the 'Search' field.

Selecting a diagnosis helps optimize



The screenshot shows a mobile application interface. At the top, there is a back arrow on the left and a progress indicator on the right. The main heading asks: "Bola Isaac diagnostikovaná niektorou z diagnóz?" (Was Isaac diagnosed with any of the diagnoses?). Below the heading is a circular icon depicting a document with a checklist and a pen. Underneath the icon is a search bar with a magnifying glass icon and the text "Hľadať". Below the search bar is a list of five diagnostic categories, each with a checkbox and a label: "PAS (Porucha autistického spektra)", "NKS (Narušená komunikačná schopnosť)", "Detská mozgová obrna (DMO)", "Downov syndróm", and "Vývinová apraxia reči".

6b

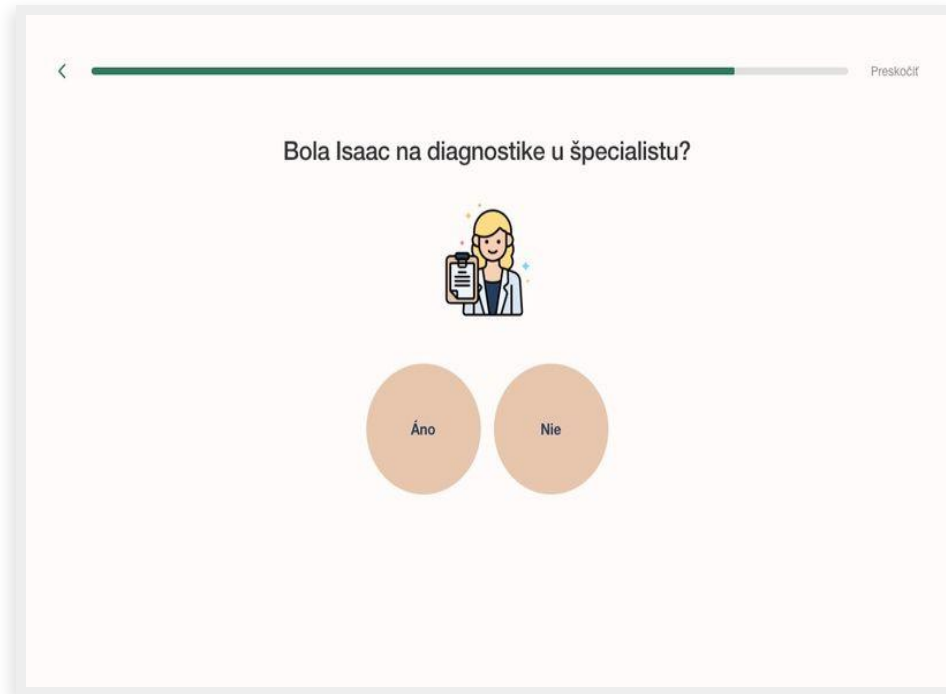
Specialist Diagnosis

Before displaying the list of diagnoses, the app will ask whether the child has been to a specialist for diagnosis.

Answer options:

- Yes — continues to diagnosis selection from the list
- No — skips diagnosis selection and continues

This step is optional. Isaac AAC is suitable for all users regardless of whether they have a formal diagnosis.



7

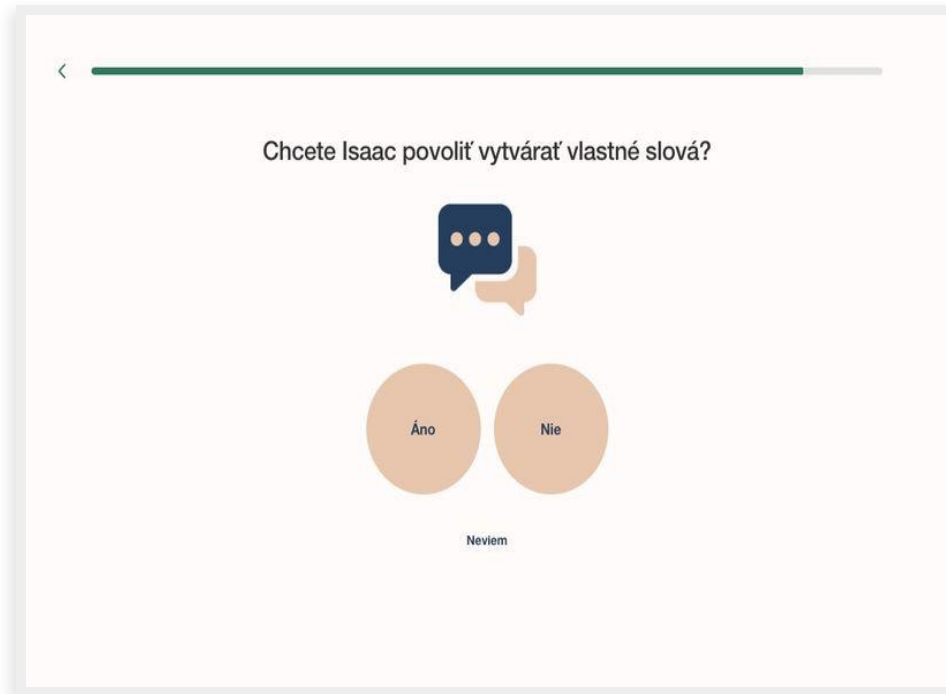
Creating Custom Words

Isaac AAC allows you to create custom words — words that are not in the standard library but are important for a specific user.

On this screen you choose:

- Yes — allow creating custom words
- No — disable creating (suitable if you want to control content)
- I don't know — I'll decide later

You can change this setting at any time in profile settings.



8

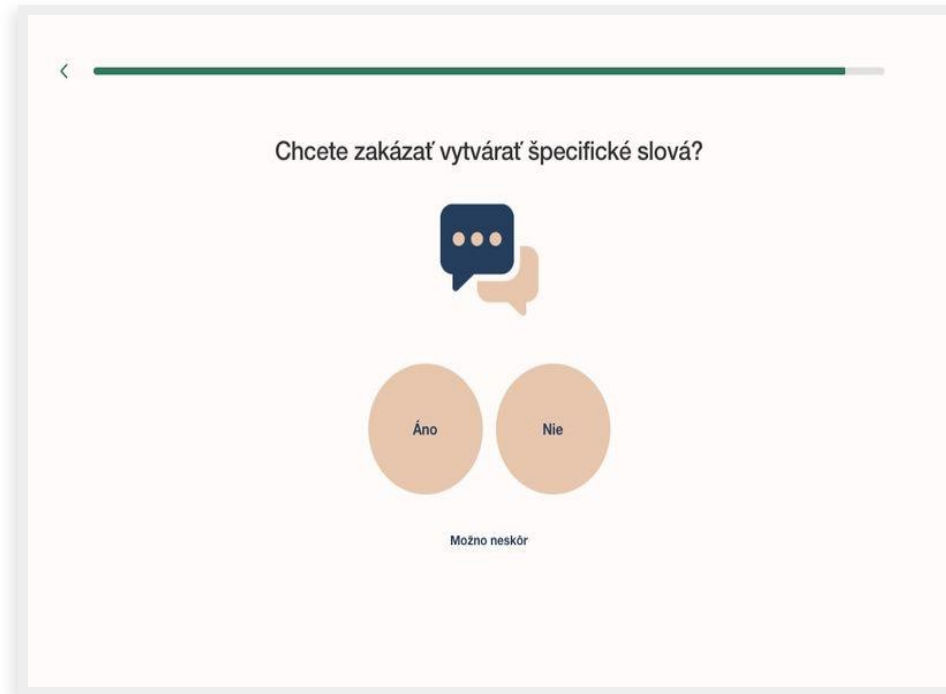
Custom Word Restrictions

If you have allowed creating custom words, you can set restrictions – prohibit creating specific words.

This is useful, for example, if:

- You want to prevent creating inappropriate words
- You need to control vocabulary in a therapeutic environment

Options: Yes / No / Maybe later



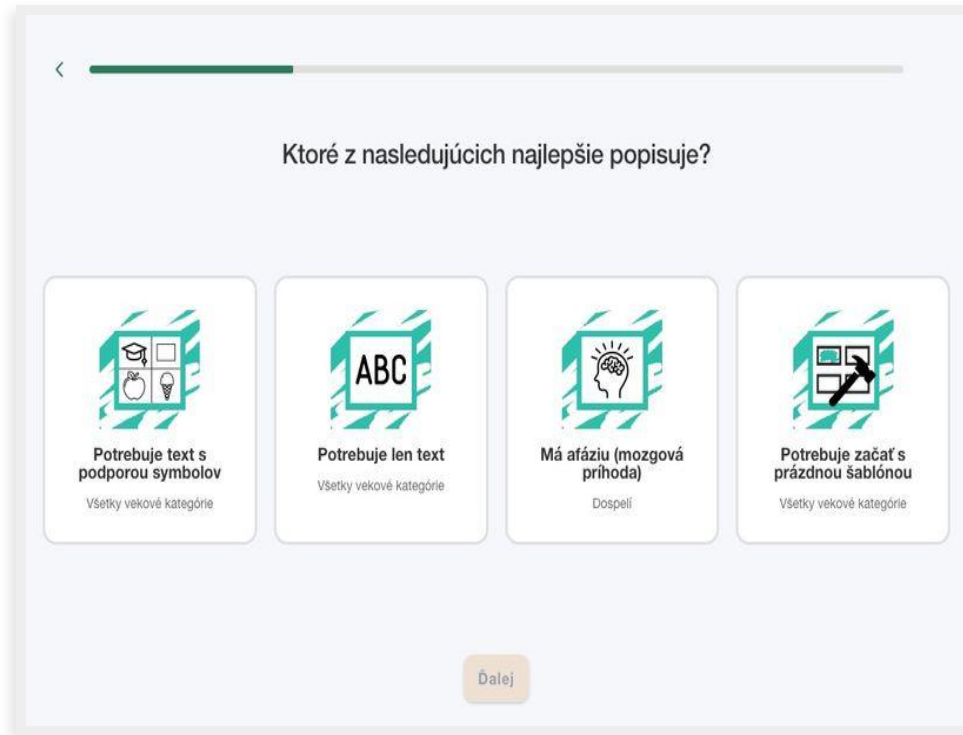
Communication Mode Selection

The last step of onboarding — selecting the communication mode.

Available modes:

- Text with symbol support — full mode with symbols and text
- **Text only — displays only text buttons without symbols (for all age groups)**
- **Afázia** (mozková príhoda) — vysoce kontrastní mód se symboly
- Blank template — empty grid, user creates words themselves (for all age groups)

Selecting a mode also defines the structure of the communication board.



Language and Voice Selection

At the top, select a language (7 languages with flags).

Offline voices

For each language, there is an extensive selection of offline voices — both male and female. You can preview each voice before selecting by pressing the speaker button.

Online voices

With an internet connection, a premium voice with a more natural sound is available. The wifi icon indicates the need for a connection.

The voice can be changed at any time in settings.



Main Interface

Communication Board and Its Functions

Communication Board

After completing onboarding, the main communication board is displayed.

Screen structure:

- **Top panel** – sentence playback button, text field with sentence, delete and settings
- **Categories** – the top rows contain word categories (Pronouns, Verbs, Descriptive words, People...)
- **Core words** – most frequently used words (yes, no, thank you, please, hello...)

Left panel:

- **Back** – return one level up
- **Basic** – displays core words
- **Quick** – QuickFire phrases
- **Search** – word search
- **Type** – keyboard
- **Custom** – custom words



Word Search

The search function allows you to quickly find any word from the entire library of 15,000+ symbols.

How to search:

- Click the 'Search' button in the left panel
- Start typing in the search field
- **Results are displayed in real time**
- **Click on the found word to add it to the sentence**

In the image you can see searching for 'hello' — the app automatically finds the corresponding word in the current language.



QuickFire Phrases

QuickFire phrases are categories of quick social phrases for everyday communication.

After clicking 'Quick Phrases' in the top category, a list of pre-made phrases appears:

- **Greetings:** good morning, hello, goodbye, farewell
- **Farewells:** goodbye, until we meet again
- **Social:** how are you, good night, welcome
- **Birthdays:** happy birthday

One click reads the entire phrase aloud — ideal for quick communication in social situations.



Display Modes

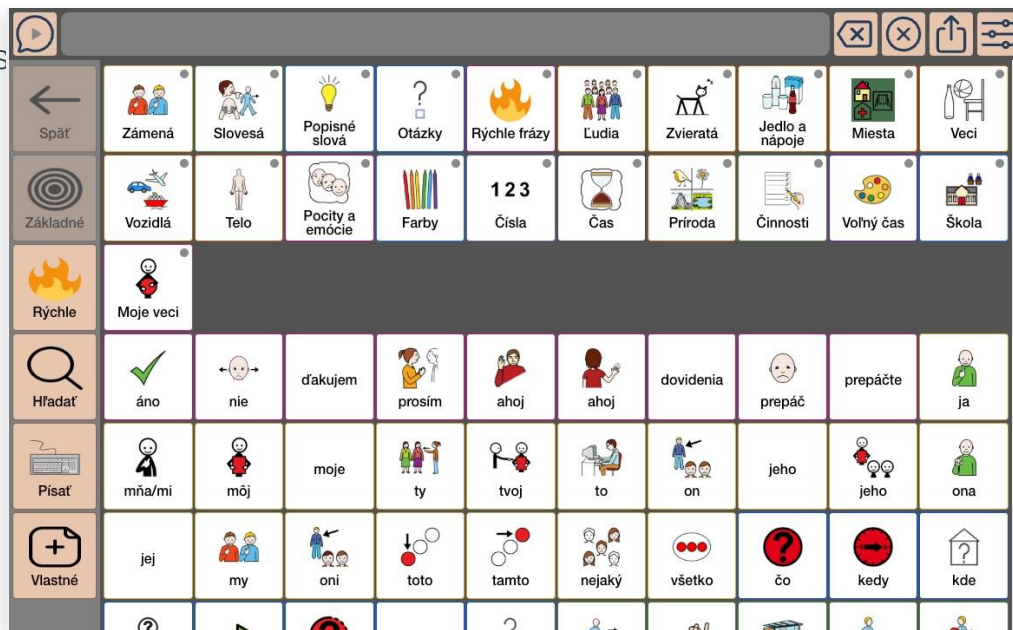
Customizing the display for different needs

Contrast Mode

Contrast mode adds colored backgrounds to categories according to Fitzgerald coding, which is an international standard in AAC communication.

Color coding:

- Yellow – pronouns (I, you, he...)
- Green – verbs (go, eat...)
- Blue – descriptive words
- Pink – social phrases and quick phrases
- Orange – nouns (food, animals...)
- Red – questions



Colors help users distinguish word types faster and improve navigation.

Inside a Category

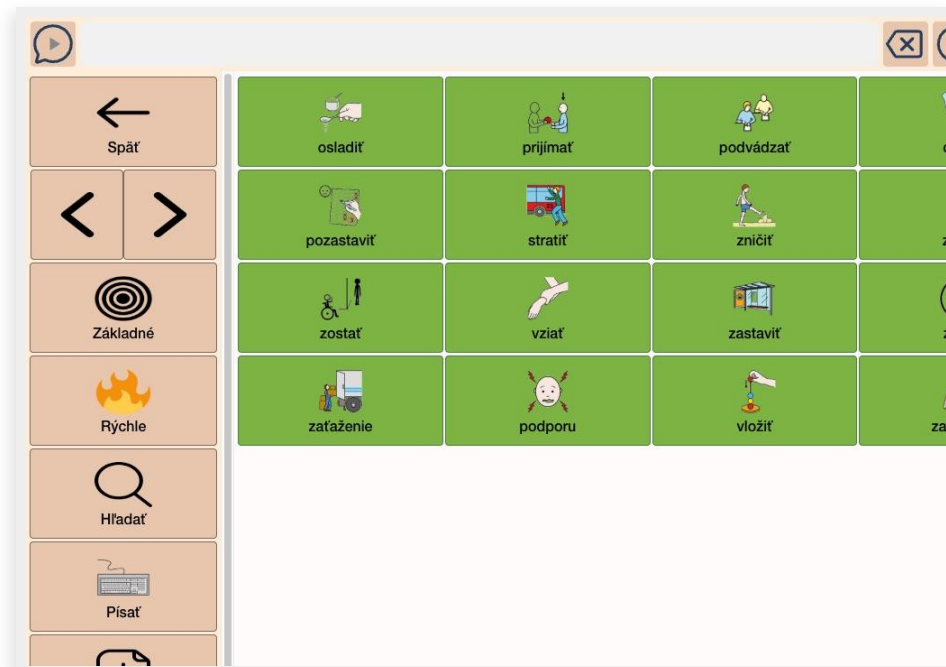
After clicking on a category (e.g. 'Verbs'), the inside of the category opens with all words of that type.

Each word is displayed as a card with a symbol and text below it.

By clicking on a word:

- The word is added to the sentence in the top panel
- The app reads it aloud

The image shows the verb category with colored symbols on a green background (the color corresponds to Fitzgerald coding for verbs).



Hiding Symbols

Isaac AAC allows you to hide symbols and keep only text – ideal for advanced users who no longer need the visual support of symbols.

This display is available as:

- 'Text only' mode – selected during onboarding
- Toggle in settings – at any time during use

Advantages of text mode:

- Designed for users who can fully read



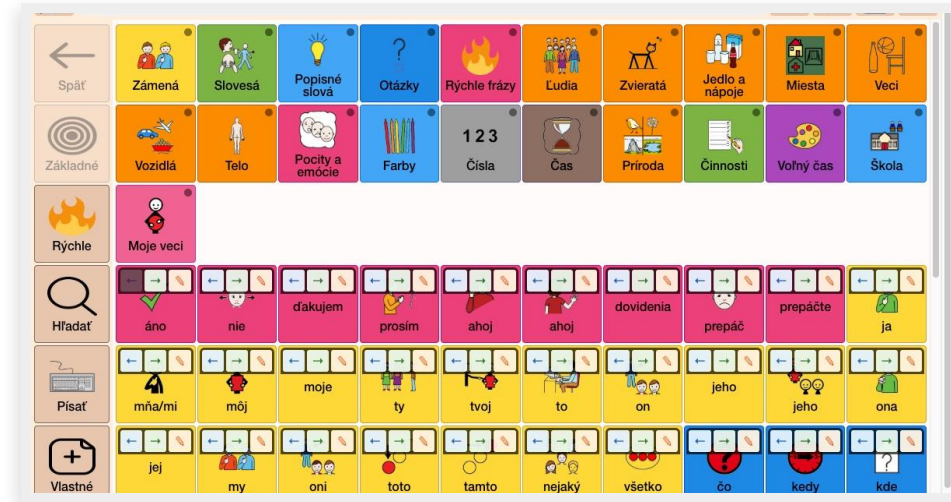
Symbol Editing

In editing mode, you can customize symbols and their position on the communication board.

Editing options:

- Symbol position
- Change symbol text – edit label
- Hide/show symbol – using the eye icon in edit mode

Edit mode is activated through settings. Changes are saved automatically.



Custom Words and Symbols

The 'Custom' function allows you to create completely new words with symbols from an extensive library.

Creation process:

- Click '+' (Custom) in the left panel
- Search for a symbol from the library of 15,000+ images on the left
- Select the category to place the word in on the right
- Enter the word text and save

Custom words will appear in the category you select; the pre-filled category is the one where you initiated the action.



Training Mode

Innovative interactive communication training

T1

Starting Training

Isaac AAC includes an innovative training mode that guides users through common communication situations.

How it works:

- Turn on training mode in settings
- **A list of trainings appears (e.g. 'Learn to say you are hungry')**

The training goal appears in the top panel as a notification (toast) – e.g. 'Learn to say you are hungry'.

The app first shows the target sentence, reads it, and then begins navigating to individual words.



T2

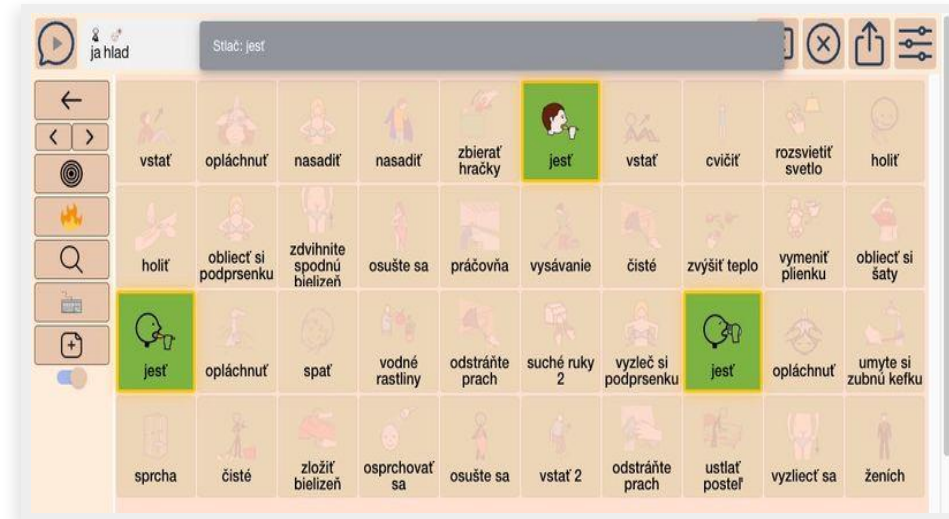
Navigation and Word Highlighting

Training automatically navigates the user to the word they should press.

Process:

- The app searches for the word in the background
- Automatically navigates to the correct category
- **Highlights the target word with a yellow/green frame**
- **Reads the word aloud**
- Displays a prompt: 'Press: eat'

All occurrences of the word on screen are highlighted so the user can press any of them.



Praise After Correct Press

After correctly pressing the highlighted word, the app praises the user.

What happens:

- A 'Great! ✓' notification appears
- The word is added to the sentence in the top panel
- Navigation automatically continues to the next word

If the user presses the wrong word:

- The app indicates it was incorrect
- The incorrect word is deleted
- Prompts again to press the correct word



Training Completion

After successfully pressing the last word in the training, praise for the entire training is displayed.

After completion:

- 'Training complete! 🎉' notification
- The entire target sentence is assembled in the top panel
- Option to continue with the next training
- Or return to regular communication

Trainings cover common life situations – food, drinks, dressing, play, social interactions, and many more. New trainings are regularly added.



Isaac AAC

Give your child a chance to communicate

Available on App Store and Google Play

isaac.healneo.eu | hello@healneo.eu

7 languages • 15,000+ symbols • 300+ voices • Training mode