

Ukulele Companion — User Manual

Version 5.6

February 2026

Contents

Ukulele Companion — User Manual	2
Table of Contents	2
About the App	3
Getting Started	3
Installing the App	3
First Launch	3
Navigating the App	3
Opening Settings	7
Tips	7
Explorer	7
Tapping Notes	7
Transpose	7
Scale Overlay	7
Sound Playback	11
Full-Screen Mode	11
Chords	11
Browsing Chords	11
Voicing Diagrams	13
Saving Favorites	13
Playing Voicings	13
Patterns	13
Strumming Patterns	13
Fingerpicking Patterns	15
Tips	15
Progressions	15
Browsing Progressions	15
Progression Cards	15
BPM and Tap Tempo	18
Custom Progressions	18

Tips	18
Favorites	18
Saving a Favorite	18
Viewing Favorites	20
Organizing with Folders	20
Tips	20
Songs	21
Creating a Chord Sheet	21
Importing Songs	21
Viewing a Chord Sheet	21
Auto-Scroll	21
Transposing Songs	23
Exporting and Sharing	23
Editing and Deleting	23
Tips	23
Settings	23
Sound	23
Display	25
Tuning	25
Fretboard	26
Notifications	26
Tips	26
Learning & Practice	26
Progress Dashboard	26
Daily Challenge	29
Practice Routine	29
Achievements	32
Song Finder	32
Tips	32
Play Along & Chord Training	35
Play Along	35
SRS Review	37
Chord Transitions	37
Tips	40

Ukulele Companion — User Manual

Welcome to Ukulele Companion, a free, offline, ad-free Android app for learning ukulele. This manual walks you through every core feature so you can get the most out of the app.

Table of Contents

1. [Getting Started](#) — Installation, first launch, and navigating the app

2. [Explorer](#) — Interactive fretboard, chord detection, and scale overlay
3. [Chords](#) — Browsing the chord library and saving favorites
4. [Patterns](#) — Strumming and fingerpicking pattern reference
5. [Progressions](#) — Common chord progressions in any key, with tap tempo
6. [Favorites](#) — Saving and organizing your favorite voicings
7. [Songs](#) — Creating chord sheets with auto-scroll, transpose, key detection, and ChordPro import/export
8. [Settings](#) — Tuning, themes, sound, notifications, and more
9. [Learning & Practice](#) — Progress tracking, daily challenges, practice routines, achievements, and song finder
10. [Play Along & Chord Training](#) — Real-time play-along with chord detection, spaced repetition, and chord transition animation

About the App

Ukulele Companion is designed with a simple philosophy:

- Free forever — no ads, no in-app purchases
- Fully offline — no internet required, no analytics, no tracking
- No login — just open and play
- Educational — built for beginners and learners

Whether you are picking up a ukulele for the first time or brushing up on music theory, this app has tools to help you along the way.

Getting Started

Installing the App

Ukulele Companion is available as an Android APK. Install it on any device running Android 8.0 (Oreo) or later. No account or login is required — just install and open.

First Launch

When you open the app for the first time, you land on the Explorer tab. This is the interactive fretboard where you can tap fret positions and the app will detect chords for you.

Navigating the App

The app uses a navigation drawer to move between sections. Tap the hamburger menu icon (three horizontal lines) in the top-left corner to open the drawer.

The drawer is organised into four groups:

Play

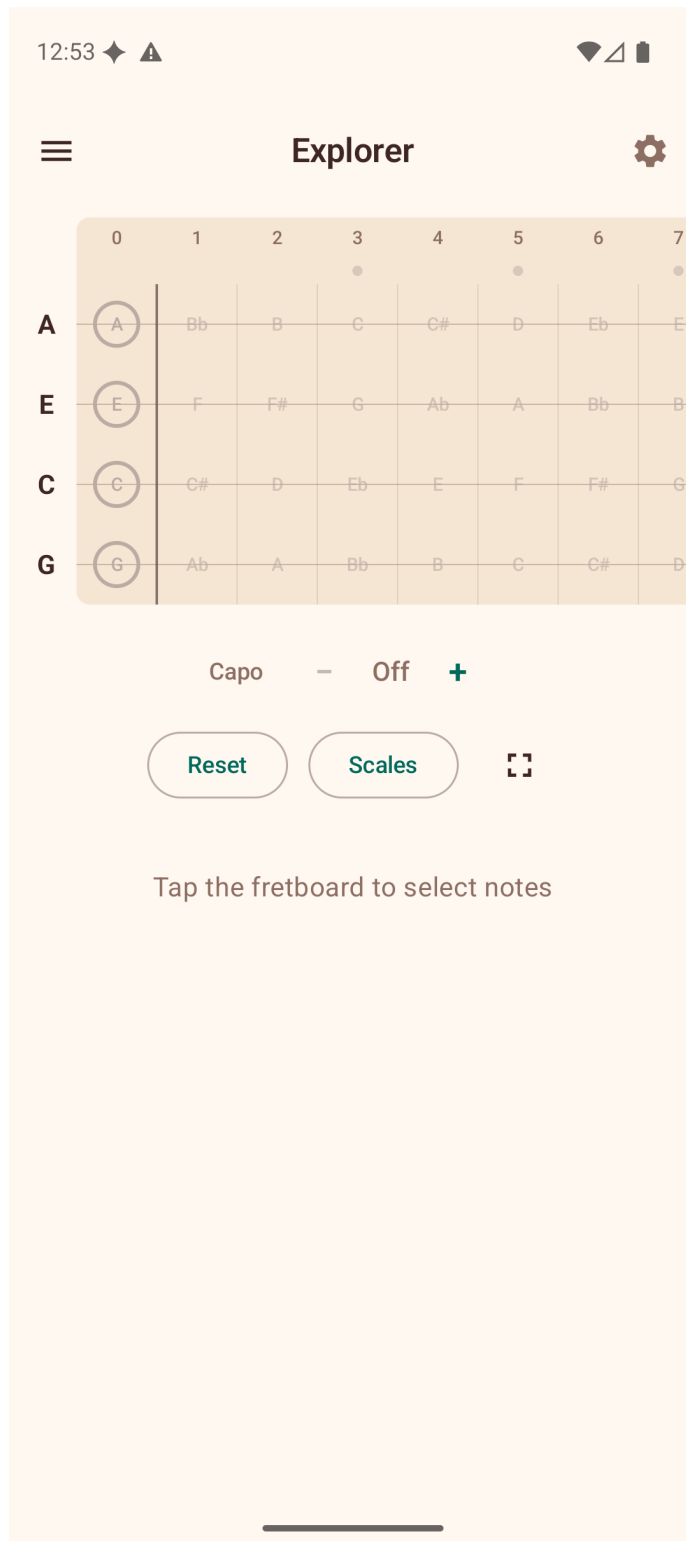


Figure 1: Explorer screen on first launch

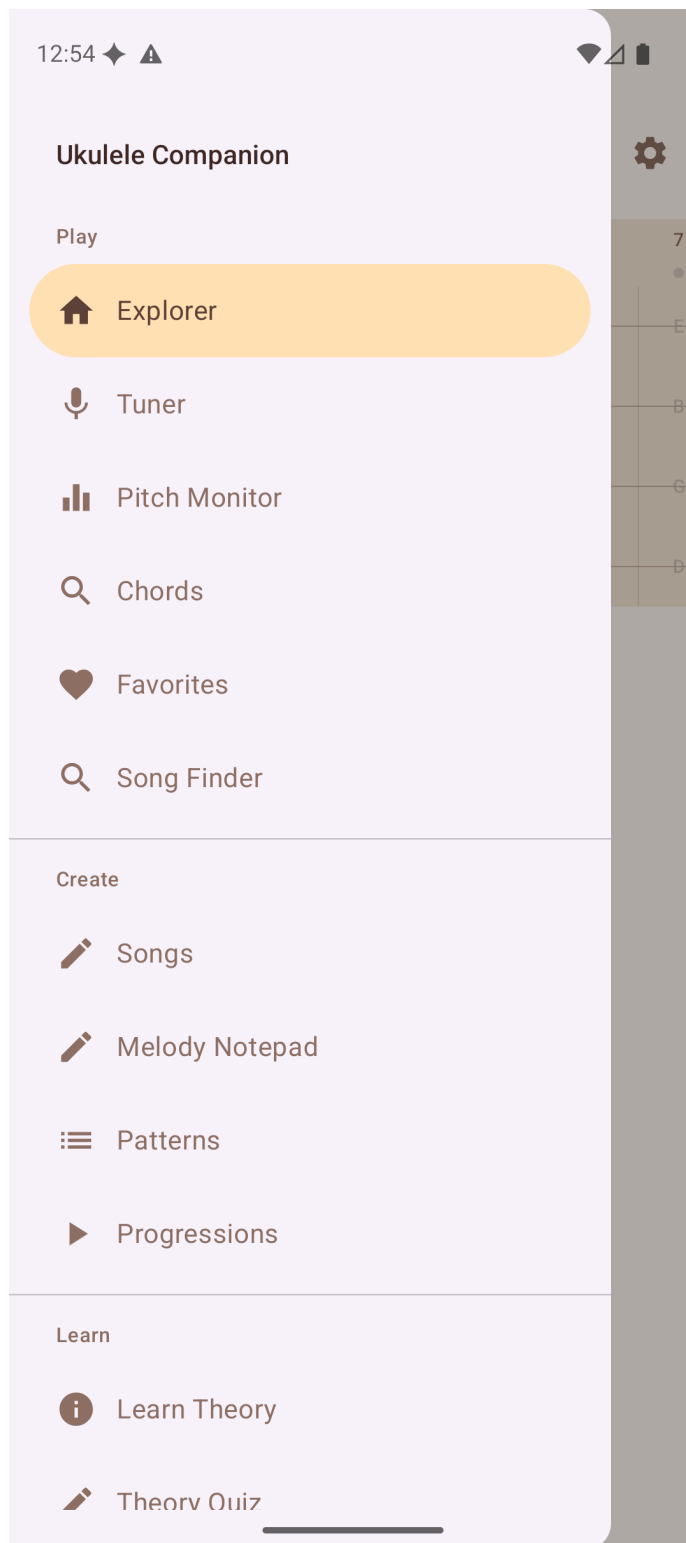


Figure 2: Navigation drawer

Section	What It Does
Explorer	Interactive fretboard with chord detection
Tuner	Chromatic tuner using the microphone
Pitch Monitor	Real-time pitch visualisation graph
Chords	Browse the chord library by root and type
Favorites	Your saved chord voicings
Song Finder	Discover songs based on chords you know

Create

Section	What It Does
Songs	Personal songbook with chord sheets, ChordPro import/export
Melody Notepad	Simple melody composition tool
Patterns	Strumming and fingerpicking pattern reference
Progressions	Common chord progressions in any key

Learn

Section	What It Does
Learn Theory	Structured theory lessons
Theory Quiz	Test your music theory knowledge
Interval Trainer	Ear training for intervals
Note Quiz	Fretboard note identification quiz
Chord Ear Training	Identify chord types by ear
Scale Practice	Guided scale exercises on the fretboard
Progress	Dashboard with learning stats and practice timer
Daily Challenge	Three fresh challenges every day
Practice Routine	Guided practice session builder
SRS Review	Spaced repetition for chord memorisation
Chord Transitions	Animated finger movement between chords
Play Along	Real-time play-along with chord detection
Achievements	Milestone gallery and progress tracking

Reference

Section	What It Does
Capo Guide	Educational capo reference
Circle of Fifths	Visual key relationship chart
Chord Substitutions	Guide to chord substitutions
Chords in Scale	Diatonic chords for any scale
Fretboard Notes	Visual note map of the fretboard

Section	What It Does
Glossary	Searchable music theory dictionary

Opening Settings

Tap the gear icon in the top-right corner of the app bar to open the Settings panel. Here you can adjust tuning, theme, sound, and more. See the [Settings](#) page for details.

Tips

- The app works entirely offline — no internet connection is needed.
- Your favorites, songs, and settings are saved locally on your device.
- Long-press on chord voicings in the library to save them as favorites.
- Check the [Help](#) screen (at the bottom of the drawer) for quick descriptions of every feature.

Explorer

The Explorer is the main screen of Ukulele Companion. It shows an interactive fretboard where you can tap fret positions and the app instantly detects and displays the chord you are playing.

Tapping Notes

Tap any fret cell on the fretboard to place or remove a finger. The fretboard displays frets 0 through 12 across four strings (G, C, E, A in standard tuning).

As you tap frets, the app analyzes the selected notes and shows the detected chord name above the fretboard. The app recognizes 9 chord types: Major, Minor, Dom7, Min7, Maj7, Diminished, Augmented, Sus2, and Sus4.

Transpose

Below the detected chord, you will see + and - buttons to transpose the chord up or down by semitones. The app also shows the equivalent capo position for reference.

Scale Overlay

The scale overlay highlights notes from a selected scale directly on the fretboard. This is helpful for understanding which notes fit within a key while you explore chords.

To use the scale overlay:

1. Scroll down below the fretboard to find the Scale section.
2. Toggle the scale overlay on.
3. Select a root note (e.g., C, G, D).
4. Select a scale type (Major, Minor, Pentatonic Major, Pentatonic Minor, Blues, Dorian, or Mixolydian).

Scale notes are highlighted on the fretboard, with the root note shown in a distinct color.

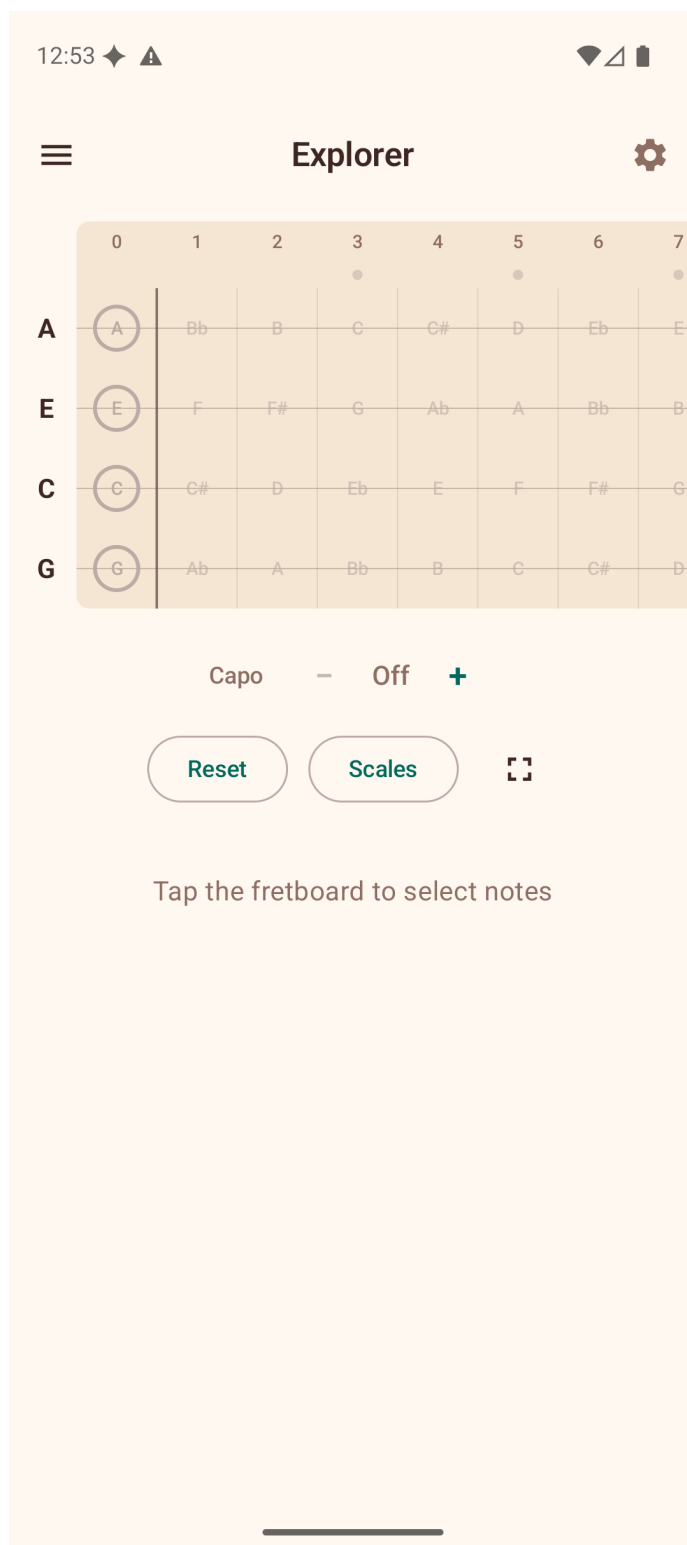


Figure 3: Explorer fretboard

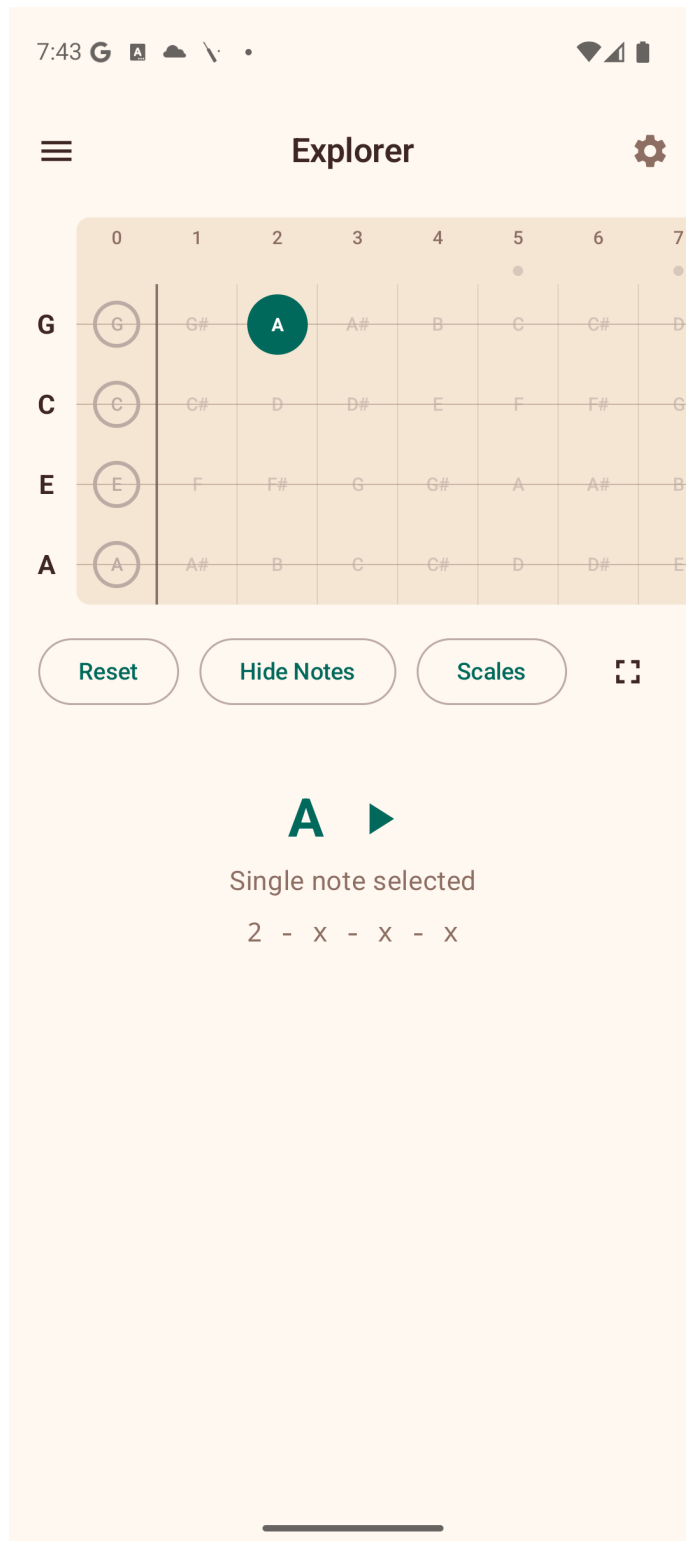


Figure 4: Chord detected on fretboard

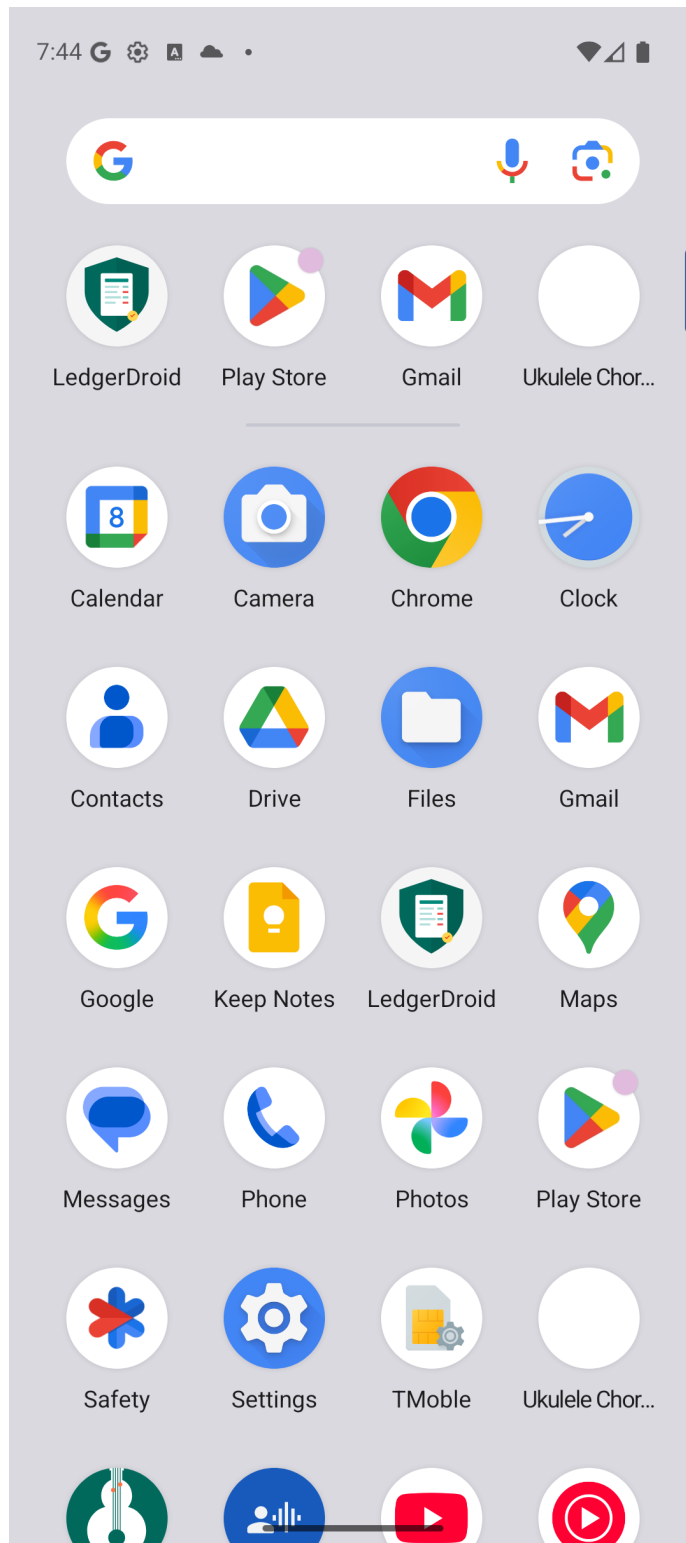


Figure 5: Scale overlay active

Scale Positions

When a scale is active, a row of Position chips appears. These let you focus on a specific fret range:

- All — shows all scale notes across the entire fretboard (default).
- Position 1, 2, 3... — limits the highlighted notes to a specific fret range, making it easier to practice one position at a time.

Tap a position chip to filter, and tap All to go back to showing every note.

Key-Aware Note Spelling

When a scale overlay is active, the fretboard automatically uses the correct note spelling for that key. For example, in the key of F major, the note between A and B is shown as “Bb” (flat), while in the key of G major, the note between F and G is shown as “F#” (sharp). This follows standard music theory conventions.

Chords in This Scale

Below the position chips, the app lists the chords that naturally occur in the selected scale. Tap any chord chip to jump to its voicings in the Chord Library.

Sound Playback

If sound is enabled in Settings, the app plays back the notes when you tap the fretboard. You can also tap the Play button to hear the current chord strummed. See [Settings](#) for sound options.

Full-Screen Mode

Tap the full-screen icon in the top-right corner to expand the fretboard to fill the entire screen, hiding the top bar and other controls.

Chords

The Chords section is a comprehensive chord library. Browse voicings for any chord by selecting a root note and chord type.

Browsing Chords

1. Select a root note — tap one of the 12 note buttons at the top (C, C#, D, etc.). If you prefer flat names, you can switch this in [Settings](#).
2. Select a category — choose from Triad, Seventh, Suspended, or Extended.
3. Select a chord type — for example, Major, Minor, Dom7, Min7, etc.

The app displays all available voicings as mini fretboard diagrams in a grid.

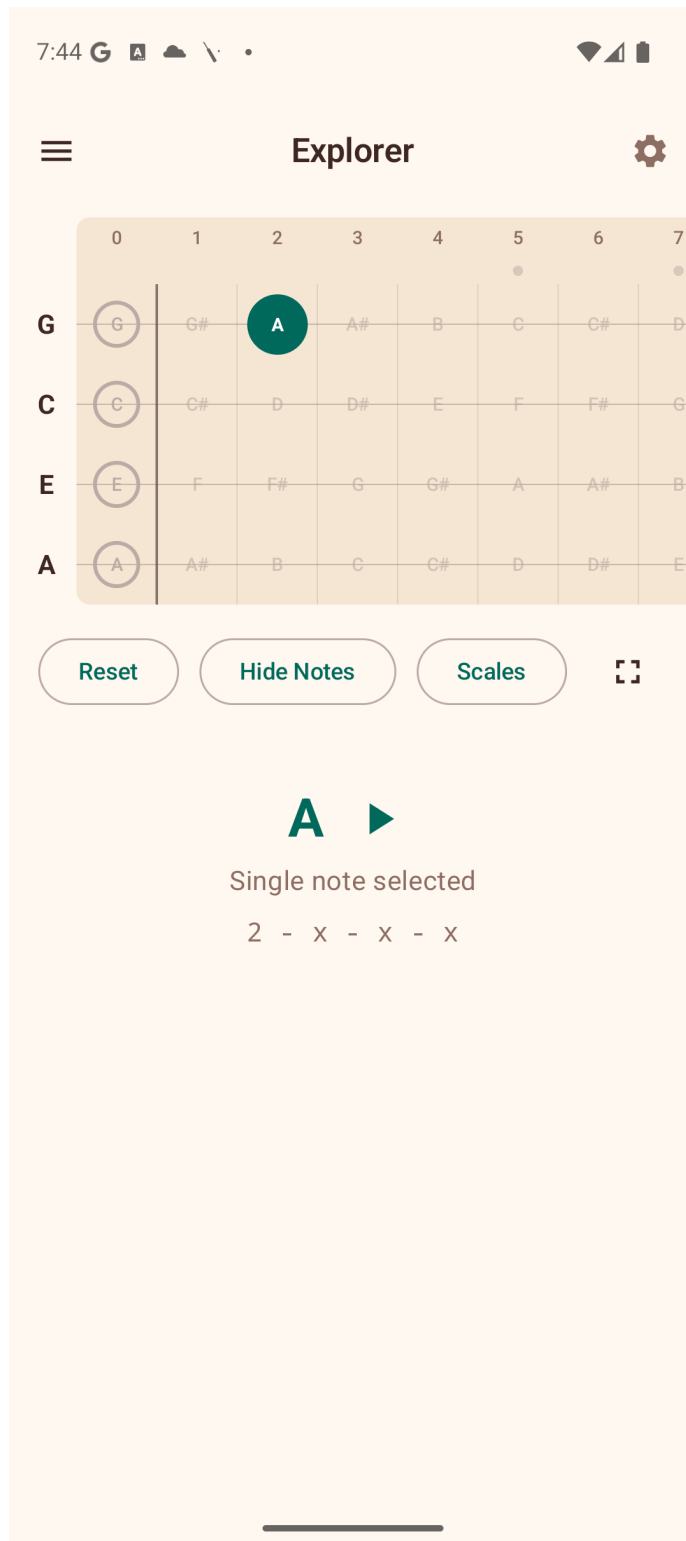


Figure 6: Chord library

Voicing Diagrams

Each diagram shows:

- The fret positions for each string.
- Open strings (played but not fretted) and muted strings.
- A small play button to hear the voicing.

Tap a voicing to load it onto the Explorer fretboard, where you can see it in full size.

Saving Favorites

Long-press any voicing diagram to save it to your Favorites. A heart icon appears on voicings that are already saved. Tap the heart to remove it from favorites.

See [Favorites](#) for more about managing your saved voicings.

Playing Voicings

Tap the play button on any voicing to hear it played back. The app strums the notes with the sound settings you have configured (volume, strum delay, note duration).

You can also play all voicings in sequence by using the play controls at the top of the voicing grid.

Patterns

The Patterns section provides a reference guide for strumming and fingerpicking patterns. Use the toggle chips at the top to switch between the two views.

Strumming Patterns

The Strumming tab shows a list of preset strumming patterns, from beginner to intermediate. Each pattern card includes:

- Name — e.g., “Island Strum”, “Calypso”, “Ska Upstroke”.
- Difficulty badge — Beginner or Intermediate.
- Visual beat arrows — down arrows, up arrows, and miss/pause indicators showing the rhythmic pattern.
- Notation — a text representation of the pattern (e.g., “D DU UDU”).
- Description — a brief explanation of the pattern and when to use it.
- Suggested tempo — a BPM range for practicing the pattern.

Creating Custom Patterns

Tap the + button (floating action button) in the bottom-right corner to create your own strumming pattern:

1. Enter a pattern name.
2. Tap each beat slot to cycle through directions: Down, Up, Miss, and Pause.

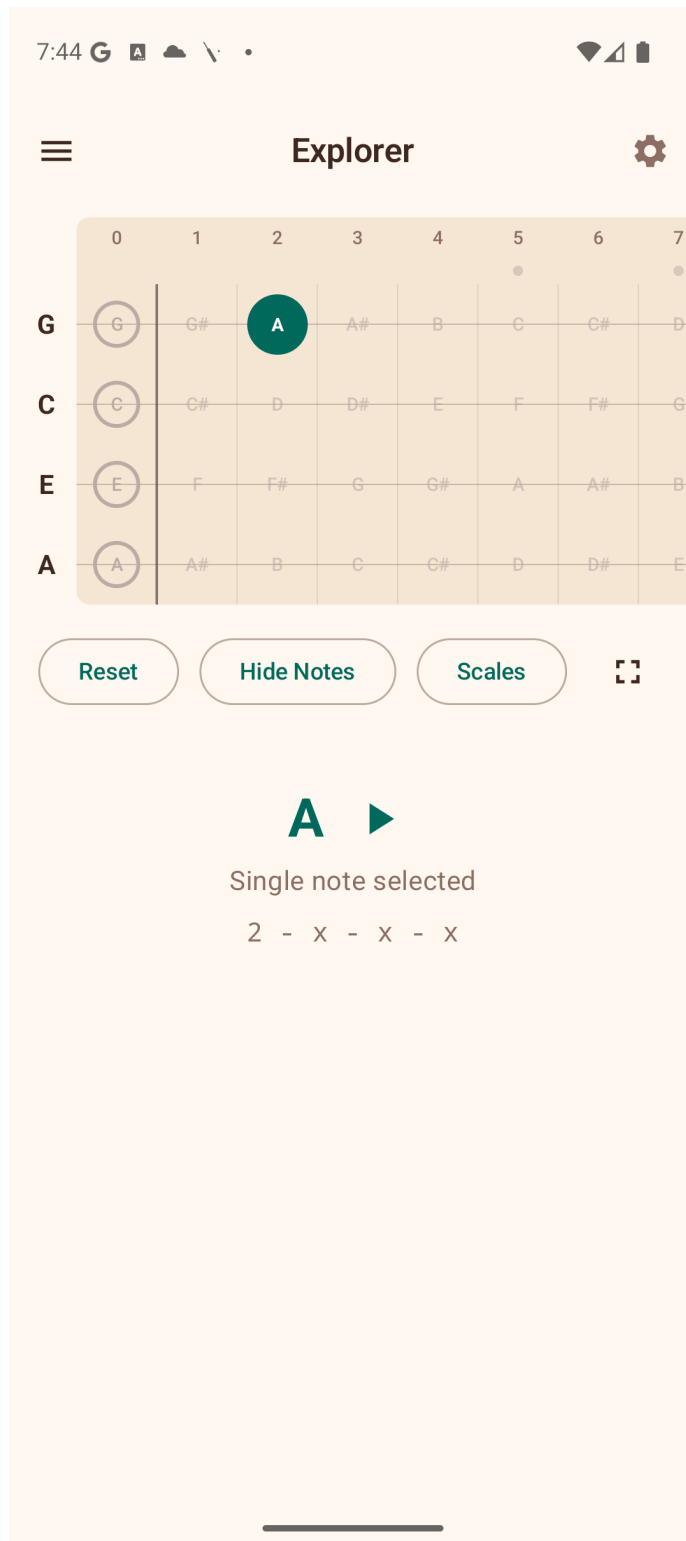


Figure 7: Strumming patterns

3. Tap the accent row below to toggle emphasis on individual beats (accented beats are shown louder/bolder).
4. Tap Save to add it to your custom patterns.

Your custom patterns appear in a “My Patterns” section at the top of the list. Each custom pattern has a delete button to remove it.

Fingerpicking Patterns

The Fingerpicking tab shows reference patterns for fingerstyle playing. Each card includes:

- Name — e.g., the pattern name and style.
- Difficulty badge — similar to strumming patterns.
- Finger step display — color-coded indicators showing which finger (Thumb, Index, Middle, Ring) plucks which string at each step.
- Notation — a text representation of the fingerpicking sequence.
- Description — guidance on technique and musical context.
- Suggested tempo — a BPM range for practice.

The finger indicators use distinct colors for each finger, making it easy to follow the picking pattern visually. Emphasized steps are shown in a bolder weight.

Tips

- Start with the beginner patterns and work your way up.
- Use the suggested BPM ranges as a guide — start slower and increase tempo as you get comfortable.
- Create custom strumming patterns to save patterns you learn from songs or teachers.

Progressions

The Progressions section shows common chord progressions for any key, in both major and minor scales.

Browsing Progressions

1. Select a key — choose a root note at the top.
2. Choose major or minor — toggle between the two scale types.

The app displays a list of common progressions for that key: Pop (I-V-vi-IV), Classic Rock (I-IV-V), 50s (I-vi-IV-V), Folk, Jazz ii-V-I, Reggae, and more.

Progression Cards

Each progression card shows:

- Name — the progression name (e.g., “Pop”, “Jazz ii-V-I”).
- Roman numeral degrees — the scale degrees used (e.g., I - V - vi - IV).

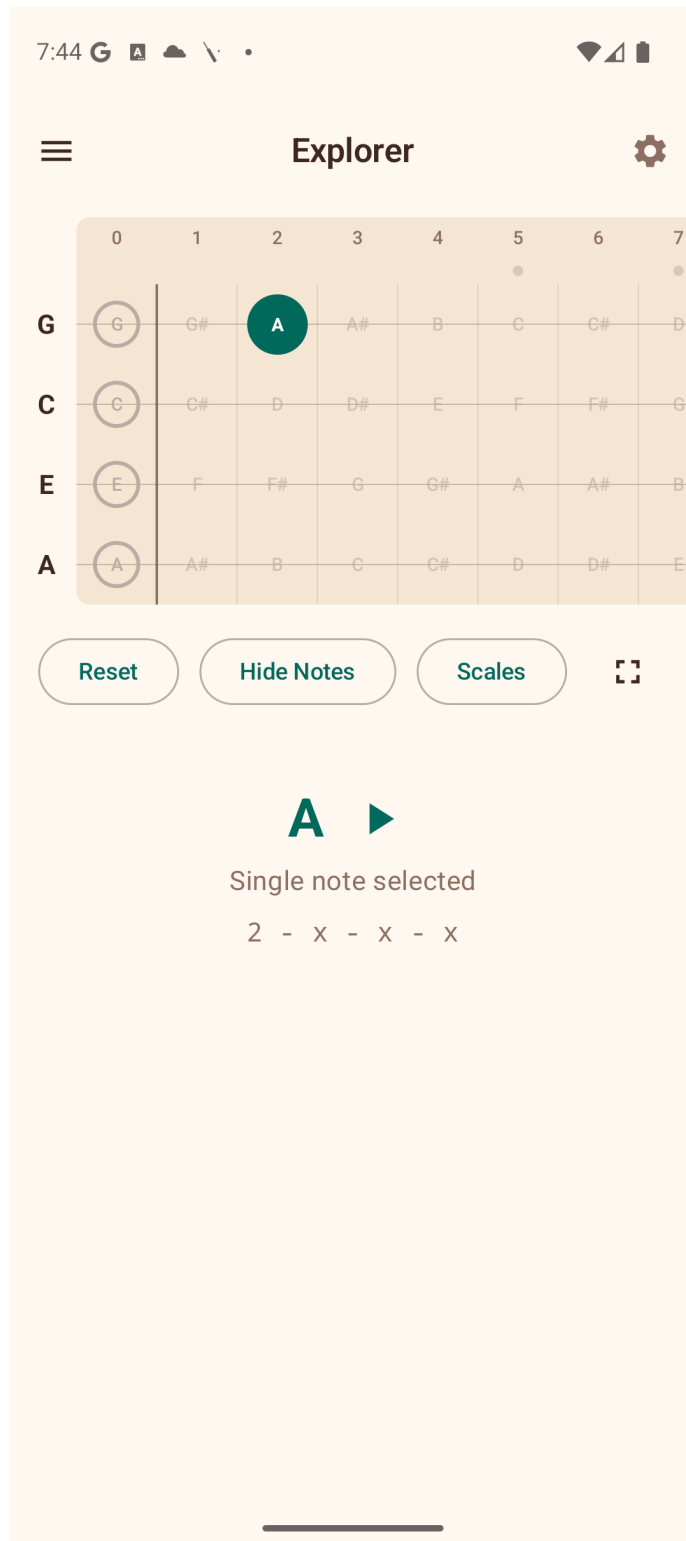


Figure 8: Fingerpicking patterns

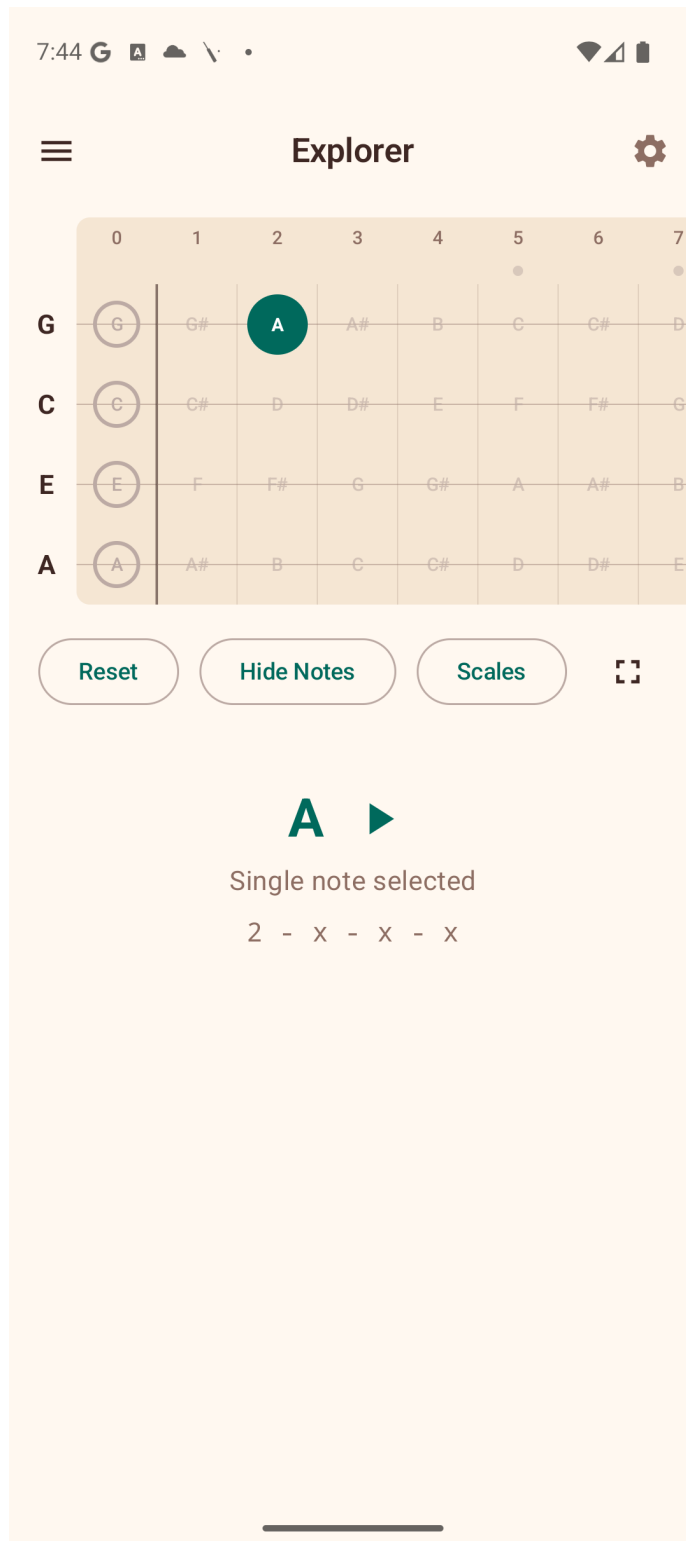


Figure 9: Chord progressions

- Chord chips — the actual chord names in your selected key. Tap any chip to jump to its voicings in the Chord Library.

Actions on Each Card

- Play — hear the progression played back with the current sound settings.
- Share — export the progression as text to share with others.
- Voice Leading — view smooth voice-leading suggestions between the chords.
- Duplicate — create a copy of the progression as a new custom progression with “(Copy)” appended to the name. Available on both preset and custom progressions. This is useful when you want to create a variant without changing the original.
- Edit — open the progression in the editor to rename it, add or remove chords, or change the scale type. Available on custom progressions only (presets cannot be modified).

BPM and Tap Tempo

The progression playback bar includes a BPM slider to control the playback speed. Next to the slider is a Tap Tempo button — tap it rhythmically to set the BPM by feel. The app calculates the tempo from the intervals between your taps. After 3 seconds of inactivity, the taps reset so you can start fresh.

Custom Progressions

You can create your own custom progressions by tapping the + button. Custom progressions can be edited, duplicated, and deleted.

- Edit lets you change the name, chord sequence, or scale type of an existing custom progression.
- Duplicate creates a new independent copy you can modify separately.
- Delete permanently removes the custom progression.

Tips

- Use progressions as a starting point for songwriting or practice sessions.
- Tap chord chips to quickly look up voicings you are not familiar with.
- Try the same progression in different keys to understand how transposition works.
- Use tap tempo when following along with a song to match its speed.

Favorites

The Favorites section stores your saved chord voicings for quick access. You can organize them into folders for better management.

Saving a Favorite

To save a voicing to your favorites:

1. Go to the Chords section.

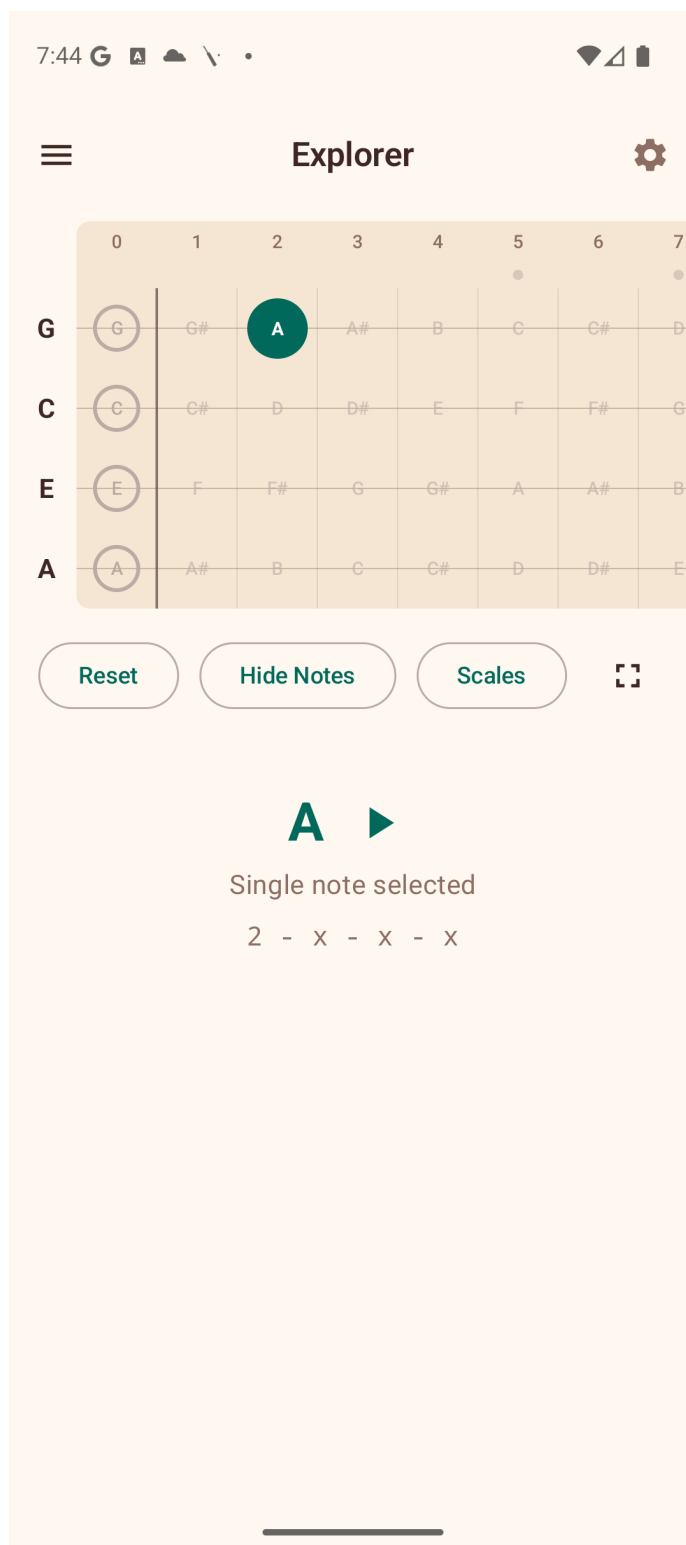


Figure 10: Favorites

2. Find a voicing you like.
3. Long-press the voicing diagram — a heart icon confirms it has been saved.

You can also tap the heart icon on any voicing in the library to toggle it as a favorite.

Viewing Favorites

Open the Favorites section from the navigation drawer. Your saved voicings appear in a grid, showing the chord name and a mini fretboard diagram for each.

- Tap a voicing to load it onto the Explorer fretboard.
- Tap the heart icon on a voicing to remove it from favorites.

Organizing with Folders

Favorites can be organized into folders using the filter chips at the top of the screen:

- All — shows every saved voicing (default).
- Unfiled — shows voicings not assigned to any folder.
- Your folders — each folder you create appears as a chip with the count of voicings inside.

Creating a Folder

1. Tap the + chip at the end of the filter row.
2. Enter a folder name in the dialog.
3. Tap Create.

The new folder appears as a chip in the filter row.

Moving Voicings to a Folder

1. Tap the folder icon (small + icon) on any voicing.
2. A dialog appears listing all your folders plus “Unfiled”.
3. Tap a folder name to move the voicing there.

Deleting a Folder

Tap the delete icon on a folder chip. The folder is removed, and all voicings inside it are moved back to “Unfiled”. The voicings themselves are not deleted.

Tips

- Use folders to group voicings by song, practice session, or chord type.
- The “All” chip always shows your complete collection regardless of folder assignments.
- Removing a voicing from favorites (via the heart icon) deletes it entirely, while moving it to “Unfiled” keeps it saved.

Songs

The Songs section is your personal songbook. Create chord sheets with lyrics and inline chord markers, then use them as a reference while playing.

Creating a Chord Sheet

1. Tap the + button to create a new song.
2. Enter a title for the song.
3. In the content area, type your lyrics with chord markers using square bracket notation:

Some[C]where over the [Em]rainbow
[F]Way up [C]high

4. Tap Save to add the song to your collection.

Importing Songs

You can import chord sheets from files on your device:

1. Tap the import button (file icon) at the bottom of the songs list.
2. Select a file from your device. The app supports:
 - ChordPro files (.chopro, .cho, .chordpro) — parsed automatically with title, artist, and chord directives.
 - Plain text files — imported as-is with the filename used as the title.
3. The imported song is added to your collection immediately.

Viewing a Chord Sheet

Tap any song in the list to open it. The viewer renders your text with chords displayed inline above the lyrics in a highlighted style.

Tap any chord name in the viewer to jump directly to its voicings in the Chord Library. This makes it easy to look up unfamiliar chords while practicing a song.

Key Detection

The app automatically analyses the chords in your song and displays the detected key (e.g., “Key: C Major”) at the top of the viewer. This uses a simplified Krumhansl–Schmuckler algorithm to determine the best-fitting key.

Auto-Scroll

The song viewer includes an auto-scroll feature so you can keep both hands on your ukulele while reading lyrics:

1. Tap the play button (floating action button) in the bottom-right corner to start auto-scrolling.
2. While scrolling, speed controls appear as chips: 0.5x, 1x, 2x, and 3x. Tap a chip to change the scroll speed.

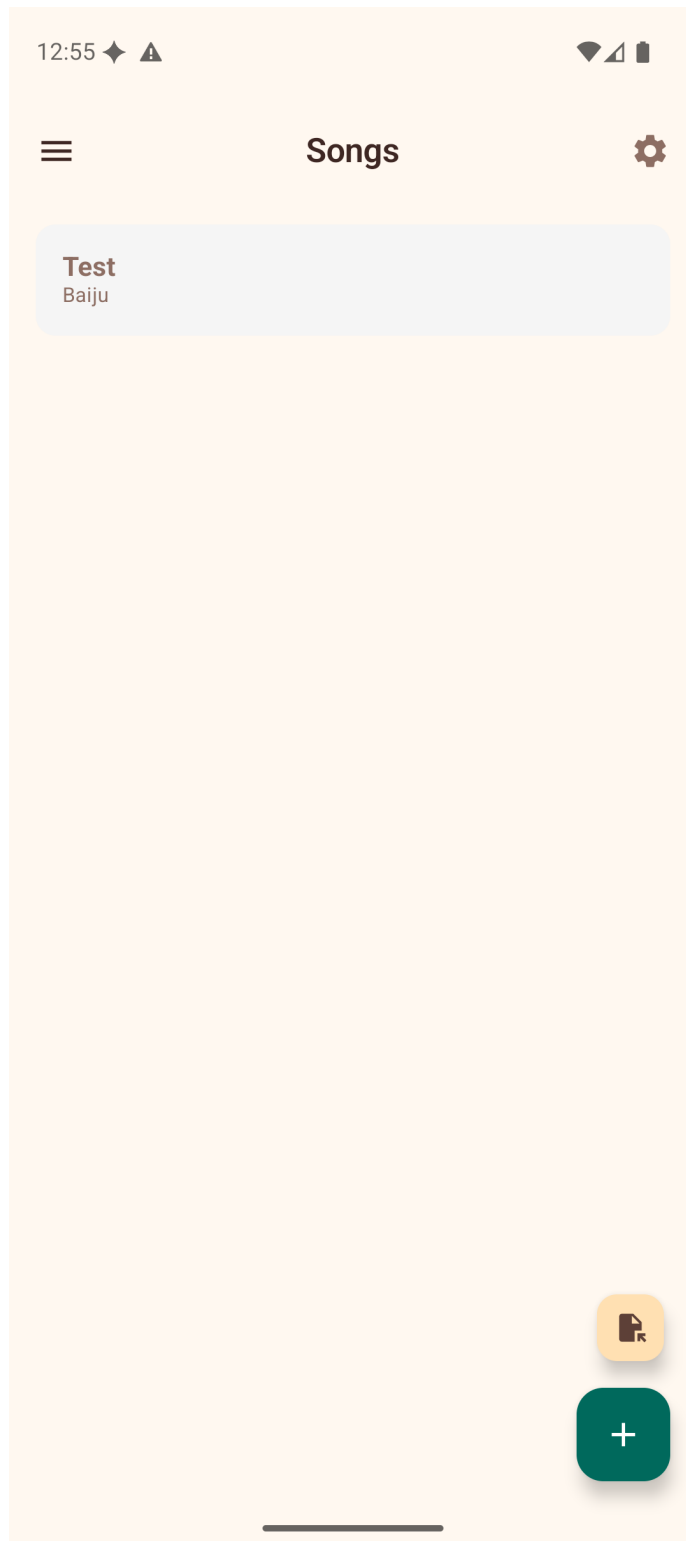


Figure 11: Songs list

3. Tap the pause button to pause auto-scrolling temporarily.
4. Tap the stop button to stop auto-scrolling and reset to the top.
5. If you manually scroll or swipe the screen while auto-scroll is active, it pauses automatically.

This is especially useful during practice or performance when you cannot tap the screen to scroll manually.

Transposing Songs

The song viewer includes transpose controls to shift all chords up or down by semitones. This is helpful when a song is in a key that does not suit your voice or playing style. The original text is preserved — only the displayed chord names change.

When a transposition is active, the app also displays an equivalent capo suggestion. For example, if you transpose up 5 semitones, the app shows “Or use Capo 5 with original chords” — so you can choose whichever approach you prefer.

Exporting and Sharing

The share button in the song viewer offers two options:

- Share as text — sends the chord sheet as plain text via any messaging or sharing app.
- Export as ChordPro — generates a ChordPro-formatted file with proper directives (`{title:}`, `{artist:}`, section markers) for use in other chord sheet apps.

Editing and Deleting

- Tap the edit button on a song to modify its title or content.
- Tap the delete button to remove a song from your collection.

Tips

- Use the `[ChordName]` bracket notation to mark chords anywhere in your lyrics.
- Auto-scroll at 0.5x or 1x speed is good for slow ballads; try 2x or 3x for faster songs.
- Import ChordPro files from other apps or websites to quickly build your songbook.
- The capo suggestion makes transposition practical — you can see the easy chord shapes at a glance.

Settings

Tap the gear icon in the top-right corner of the app bar to open the Settings panel. Settings are organized into sections.

Sound

Control how the app plays back chords and notes.

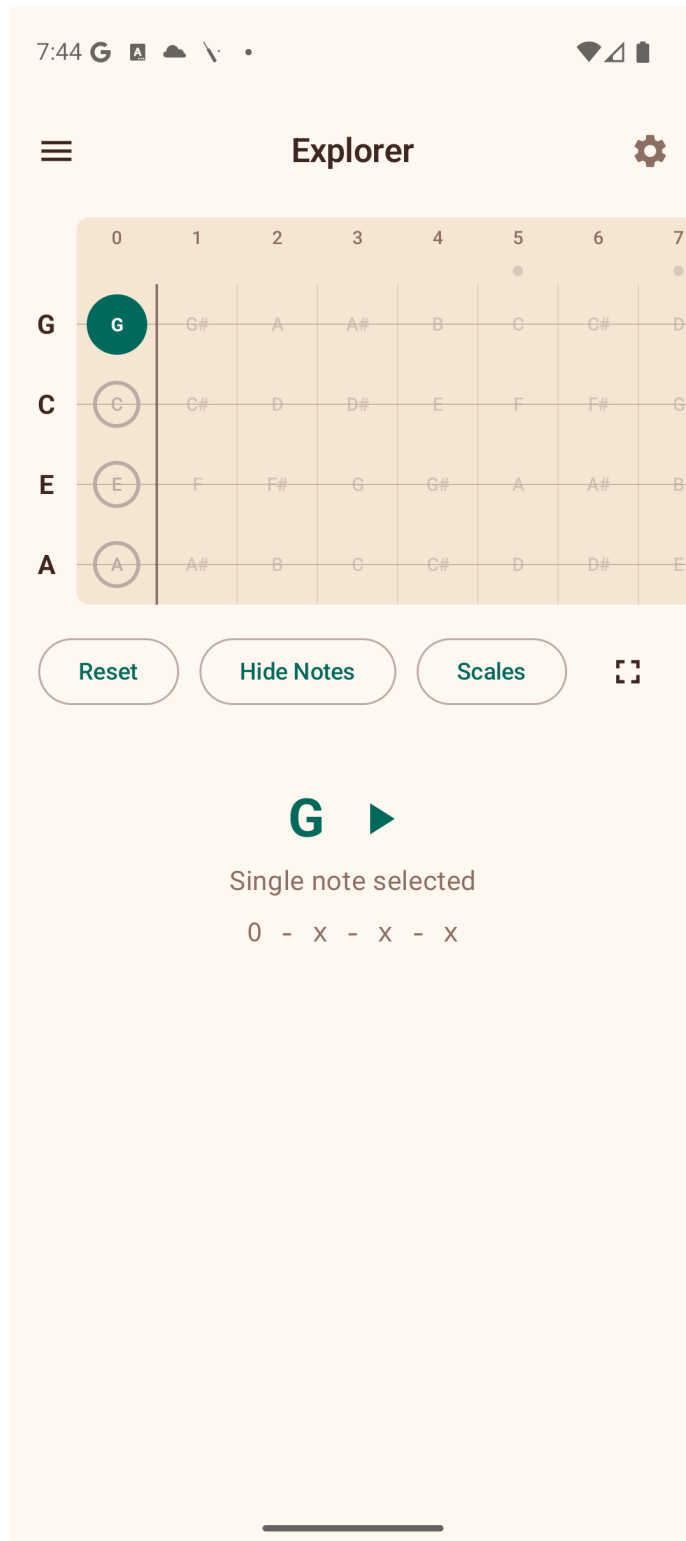


Figure 12: Settings panel

Setting	Description
Sound enabled	Toggle all sound playback on or off.
Volume	Adjust the playback volume from 0% to 100%.
Note Duration	How long each note rings out (300–1200 ms).
Strum Delay	The delay between strings when strumming a chord (20–150 ms). A shorter delay sounds like a quick strum; a longer delay sounds like a slow arpeggio.
Strum Direction	Choose between strumming down (low to high) or up (high to low).
Play on Tap	When enabled, plays the note immediately when you tap a fret on the Explorer fretboard.

Display

Customize the app's appearance and notation style.

Note Names

Toggle between sharp (C#, D#, F#, etc.) and flat (Db, Eb, Gb, etc.) note name display. This affects all chord names, fretboard labels, and progression displays throughout the app.

Theme

Choose from four theme options:

Theme	Description
Light	Light background with dark text.
Dark	Dark background with light text, easier on the eyes in dim environments.
System	Follows your device's system-wide light/dark mode setting.
High Contrast	An accessibility-focused theme with stronger color contrast, making text and UI elements easier to read. Adapts to your system light/dark preference.

Tuning

Select the tuning for your ukulele. The app adjusts the fretboard, chord detection, and playback accordingly.

Tuning	Strings	Description
High-G (Standard)	G4-C4-E4-A4	The most common soprano/concert/tenor tuning with a re-entrant high G string.

Tuning	Strings	Description
Low-G	G3-C4-E4-A4	Same notes but with the G string tuned an octave lower, extending the bass range.
Baritone (DGBE)	D3-G3-B4-E4	Baritone ukulele tuning, matching the top four strings of a guitar.
D-Tuning (ADF#B)	A4-D4-F#4-B4	A traditional alternative tuning, one whole step above standard.

Fretboard

Setting	Description
Left-Handed	Mirrors the fretboard so the nut appears on the right side, matching a left-handed player's perspective.

Notifications

Setting	Description
Chord of the Day	Enable a daily notification that shows you a new chord to learn each day. The notification includes the chord name and finger positions. Tap the notification to open the app.

Tips

- If you play a baritone ukulele, switch to the Baritone (DGBE) tuning so chord detection and playback match your instrument.
- Try the High Contrast theme if you find the default colors hard to read, especially in bright sunlight.
- Adjust the volume slider independently from your device volume for finer control over playback loudness.
- Enable Chord of the Day notifications to build a daily practice habit.

Learning & Practice

Ukulele Companion includes a suite of learning and practice tools to help you build skills systematically. Access them from the Learn section of the navigation drawer.

Progress Dashboard

The Progress screen is your central hub for tracking improvement across all learning activities.

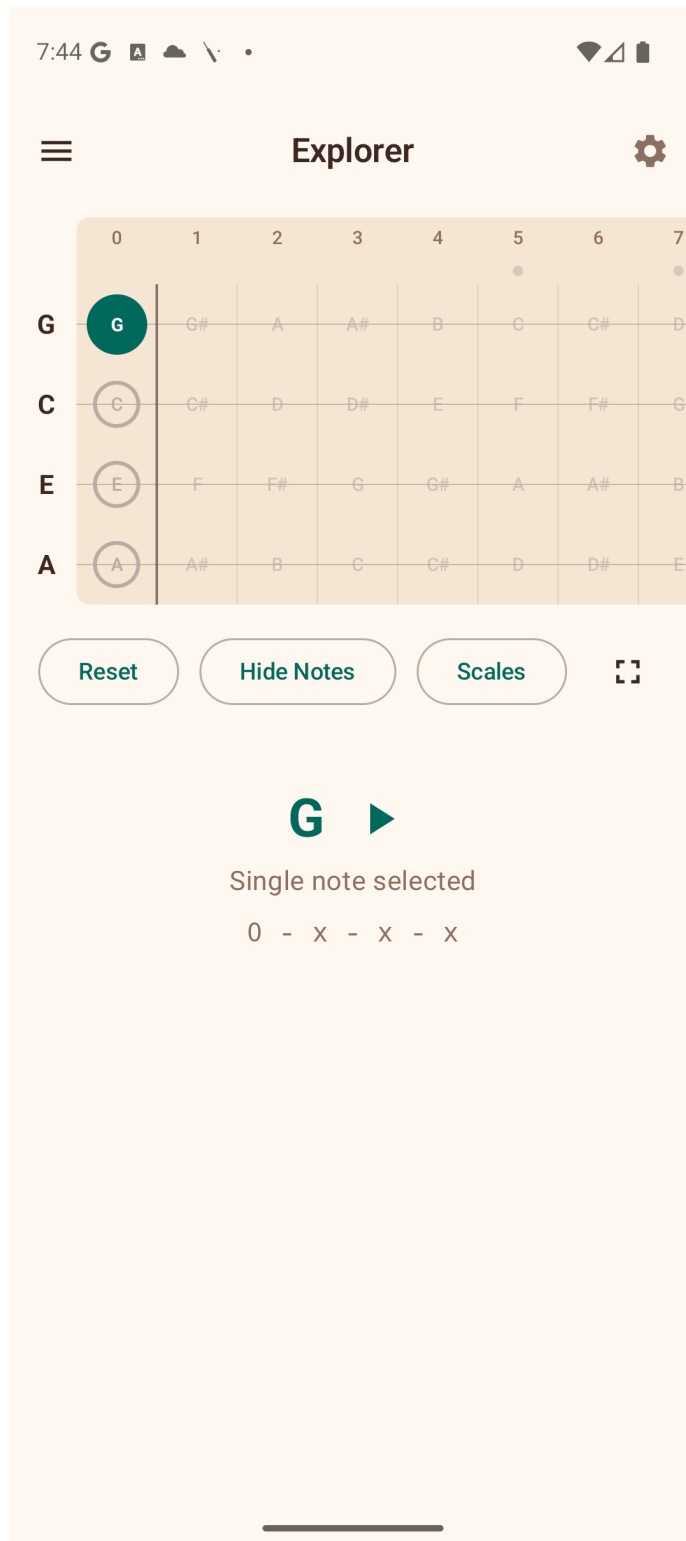


Figure 13: Settings — more sections

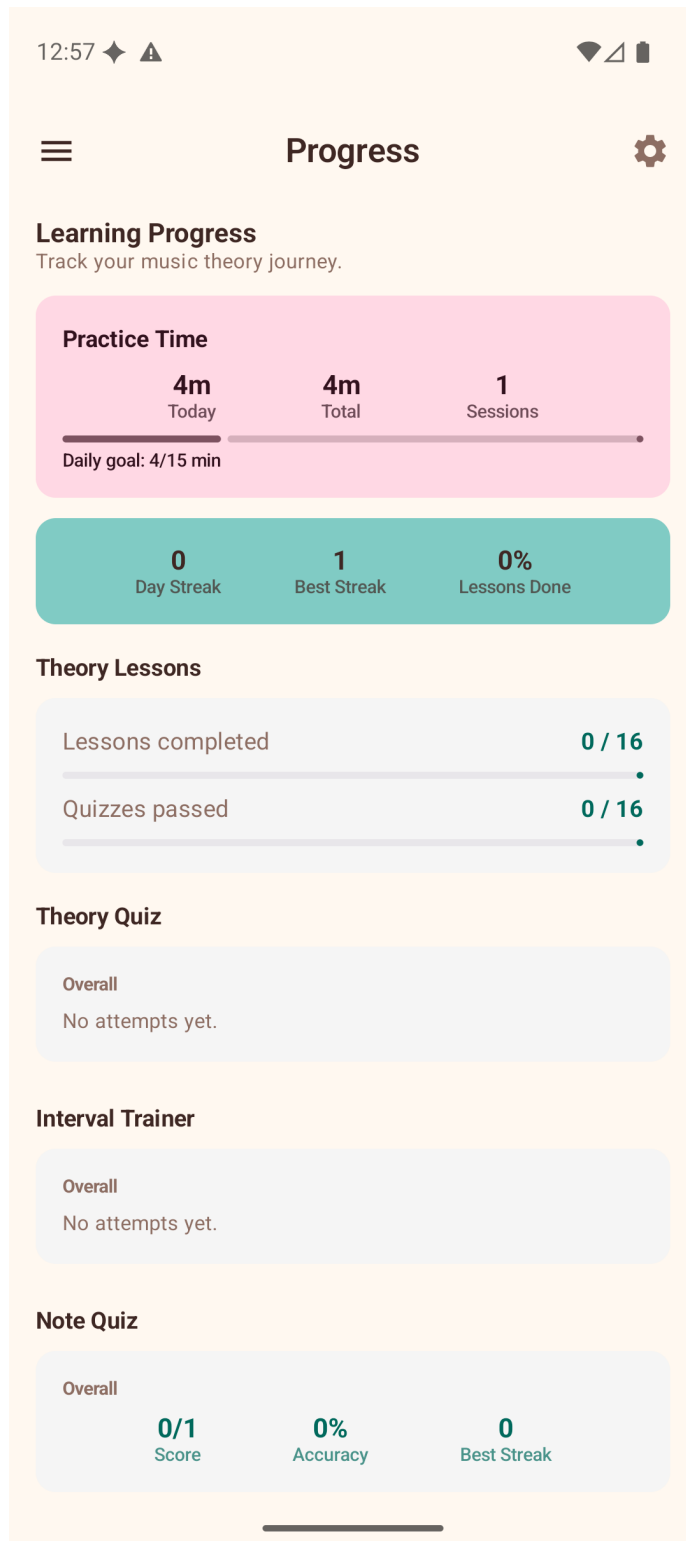


Figure 14: Progress dashboard

Practice Time

At the top of the dashboard, the Practice Time card shows:

- Today — minutes practised today.
- Total — cumulative practice time across all sessions.
- Sessions — total number of practice sessions.
- Daily goal — progress bar towards your configurable daily target (default 15 minutes).

Practice time is tracked automatically whenever the app is open. Sessions longer than 1 minute are recorded when you leave the app.

Statistics

Below the practice timer, the dashboard shows stats for each training activity:

- Theory Lessons — lessons completed and quizzes passed.
- Theory Quiz — overall score and accuracy.
- Interval Trainer — accuracy and attempts.
- Note Quiz — score, accuracy, and best streak.
- Chord Ear Training — accuracy and attempts.

Daily Challenge

Three fresh challenges are generated every day to keep your practice varied and engaging.

Each challenge card shows:

- A numbered badge (1, 2, 3).
- The challenge description (e.g., “Learn C”, “Theory Quiz: 10 Questions”, “Practice: Happy Birthday”).
- A Go button that navigates directly to the relevant section of the app.

Below the challenges, a Tip of the Day provides a quick piece of practice advice.

Challenges are generated deterministically based on the date, so they are the same if you check multiple times in a day but different each new day.

Practice Routine

The Practice Routine builder creates a structured, guided session tailored to your needs.

Setting Up

1. Duration — drag the slider to set your available time (5–60 minutes).
2. Skill Level — choose Beginner, Intermediate, or Advanced.
3. Focus Areas — select which skills to include: Chords, Scales, Ear Training, Theory, Songs, SRS.
4. Tap Start Practice Routine.

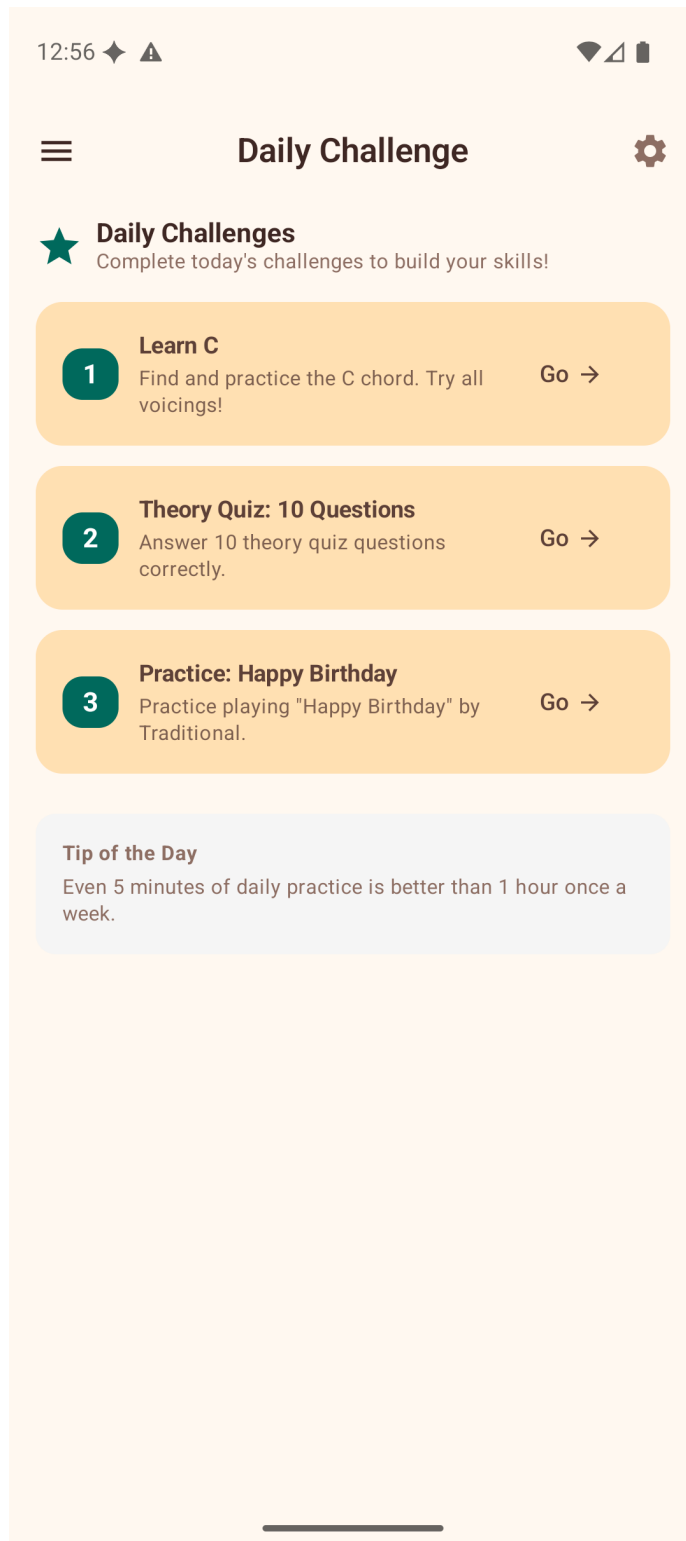


Figure 15: Daily challenges



Practice Routine



Practice Routine

Set up your practice session.

Duration: 15 minutes



Skill Level

Beginner

Intermediate

Advanced

Focus Areas

Chords

Scales

Ear Training

Theory



▶ Start Practice Routine

Figure 16: Practice routine setup

Following the Routine

The app generates a sequence of steps:

- Warm-up — a gentle start (e.g., easy chord changes).
- Focused exercises — exercises matched to your focus areas and skill level, each with a suggested duration.
- Cool-down — a relaxing finish.

Each step shows a description, time allocation, and a Go button to navigate to the relevant feature. Mark steps complete as you finish them. A progress bar tracks your overall routine completion.

Achievements

Earn badges by reaching milestones as you use the app.

Achievement Categories

- Practice — streaks and consistency (e.g., “Getting Started” for a 3-day streak, “Monthly Master” for 30 days).
- Learning — lesson and quiz milestones (e.g., “First Steps” for completing your first lesson, “Scholar” for all lessons).
- Ear Training — interval and chord ear training accuracy.
- Collection — favorites and song milestones.

Viewing Achievements

The gallery shows a progress bar (e.g., “1 / 21 unlocked”) and lists all achievements. Filter by category using the chips at the top. Locked achievements are shown dimmed with their unlock criteria visible, so you always know what to work towards.

Song Finder

Song Finder suggests songs you can play based on the chords in your Favorites.

Your known chords are shown at the top. Below, the app lists:

- Playable songs — songs using only chords you know.
- Almost playable songs — songs where you are missing just 1–2 chords. The missing chords are highlighted with a “Learn:” label. Tap a missing chord to jump to its voicings in the Chord Library.

Each song card shows the title, artist, difficulty level, genre, and the chords used.

Tips

- Check the Daily Challenge each day for motivation and variety.
- Use Practice Routine when you have a set amount of time and want structure.
- Review the Progress dashboard periodically to identify areas that need more attention.
- Add chords to Favorites to expand what Song Finder can recommend.

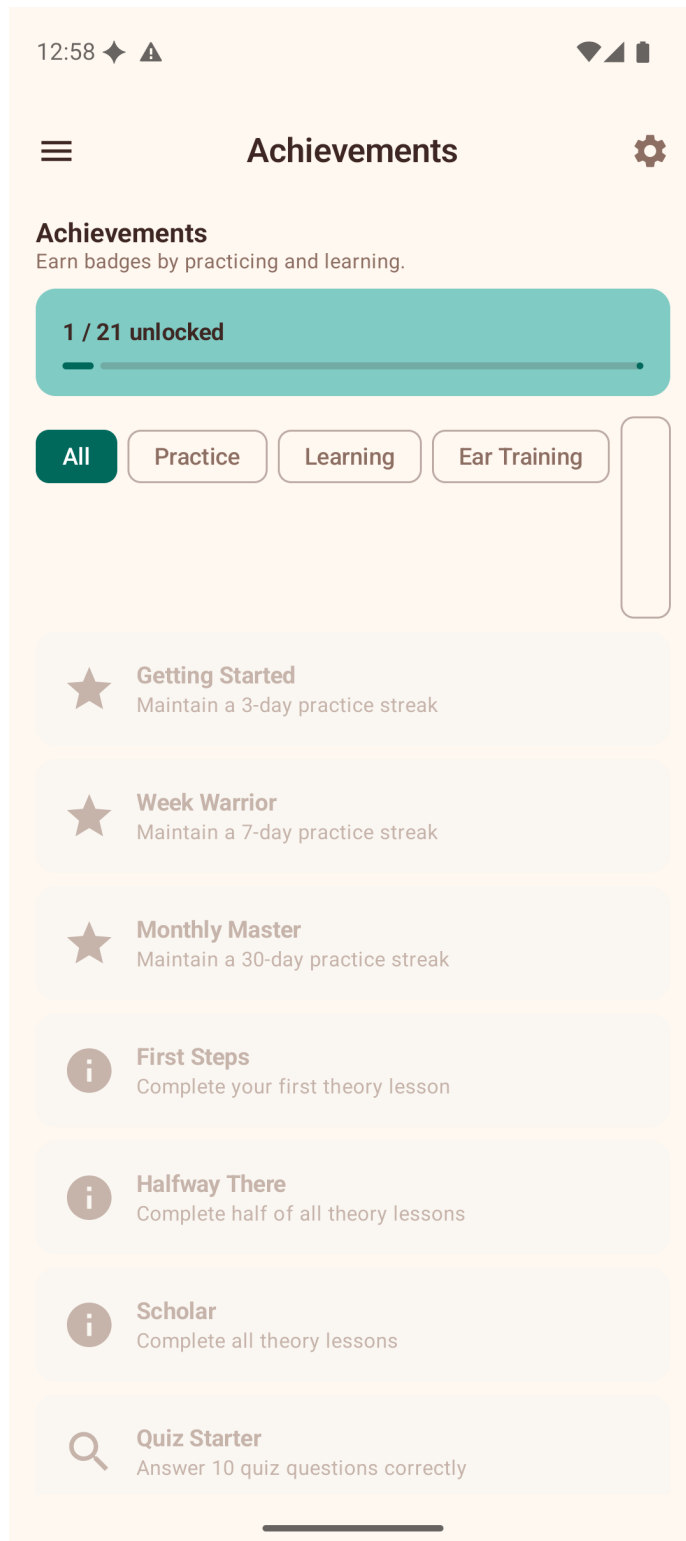


Figure 17: Achievements gallery

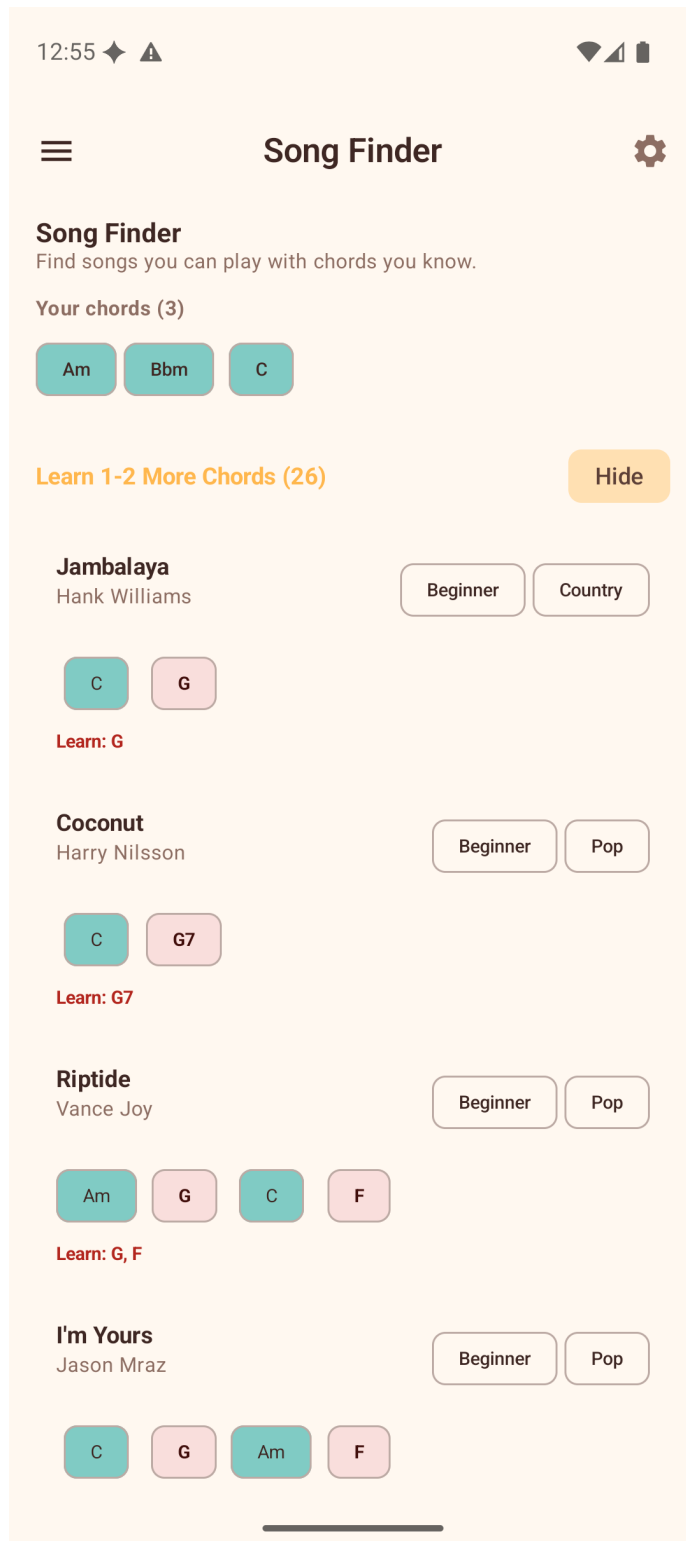


Figure 18: Song Finder

Play Along & Chord Training

These features use real-time audio and animation to help you practise chord changes and playing accuracy.

Play Along

Play Along lets you practise a chord progression with real-time feedback from your microphone. The app listens to your ukulele and tells you whether you are playing the correct chord.

Setup

1. Choose a key — tap a note chip (C, C#, D, ... B).
2. Choose a scale — Major or Minor.
3. Select a progression — tap a progression card. Each card shows the name, description, and the resolved chord names in your chosen key (e.g., “C → G → Am → F”).

Playing

After selecting a progression, the play-along screen appears with:

- Chord timeline — a horizontal row of all chords in the progression. The current chord is highlighted.
- Current chord display — a large card showing the chord you should be playing right now.
- Live detection feedback — when the microphone is active, the app shows what chord it hears and whether it matches the expected chord (green check for correct, red X for incorrect).
- Score card — accuracy percentage, letter grade (S/A/B/C/D/F), and best streak.

Controls

- BPM slider — adjust the tempo from 40 to 180 BPM.
- Tap Tempo — tap rhythmically to set the BPM by feel.
- Beats per chord — choose 2, 4, or 8 beats before the progression advances to the next chord.
- Play/Stop button — starts or stops the session. When playing, the metronome keeps time and the progression advances automatically.

Microphone Permission

Play Along requires microphone access for chord detection. The first time you use it, the app will prompt you to grant permission. If you decline, you can still use the progression playback and metronome without detection feedback.

Scoring

Each beat is scored based on whether the detected chord matches the expected chord. At the end of a session (or when you stop), the score card shows:

- Accuracy — percentage of beats with correct chord detection.

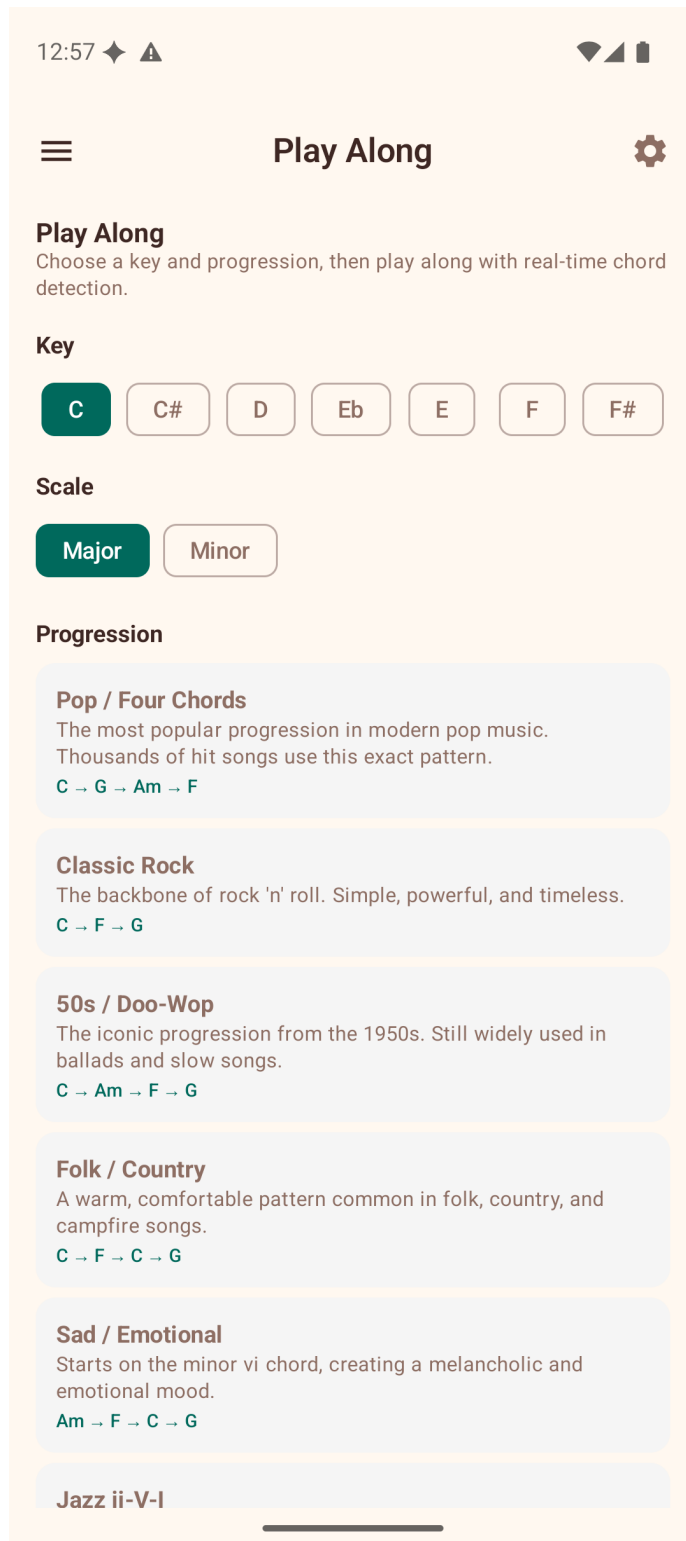


Figure 19: Play Along setup

- Grade — a letter grade from S (95%+) to F (below 40%).
- Best Streak — the longest consecutive run of correct beats.

SRS Review

The Spaced Repetition System helps you memorise chord voicings through optimally-timed reviews.

How It Works

SRS uses the SM-2 algorithm (the same method used by popular flashcard apps) to schedule reviews:

1. Add cards — from the Chord Library, long-press a voicing and select “Add to SRS”. The chord name and fingering are saved as a review card.
2. Review due cards — open SRS Review to see cards that are due. The app shows the chord name and asks you to recall the fingering.
3. Reveal and rate — tap to reveal the chord diagram, then rate your recall:
 - Again — you could not remember. The card will be shown again soon.
 - Hard — you remembered with difficulty. The interval increases slightly.
 - Good — you remembered correctly. The interval increases normally.
 - Easy — you remembered instantly. The interval increases significantly.
4. Repeat — the algorithm schedules each card’s next review based on your rating. Cards you struggle with appear more often; cards you know well appear less frequently.

Dashboard

The SRS Review screen shows:

- Due — cards ready for review right now.
- Reviewed — cards reviewed in this session.
- Total — total cards in your deck.

If you have no cards yet, the screen explains how to add them from the Chord Library.

Chord Transitions

The Chord Transition Trainer helps you practise switching between two chords with an animated fretboard visualisation.

Setup

1. Chord A — select the root note and chord type for the starting chord.
2. Chord B — select the root note and chord type for the target chord.

The app displays both chord diagrams side by side so you can see the finger positions.

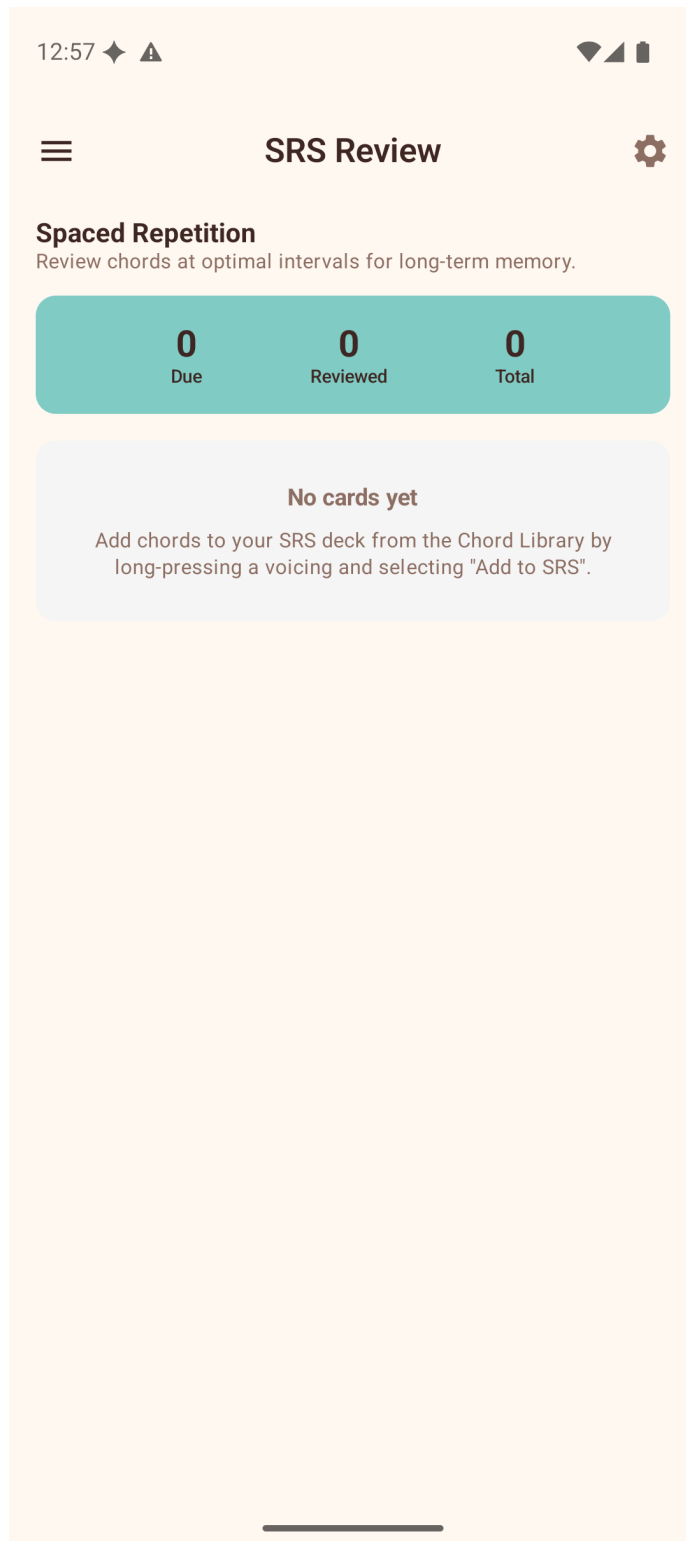


Figure 20: SRS Review

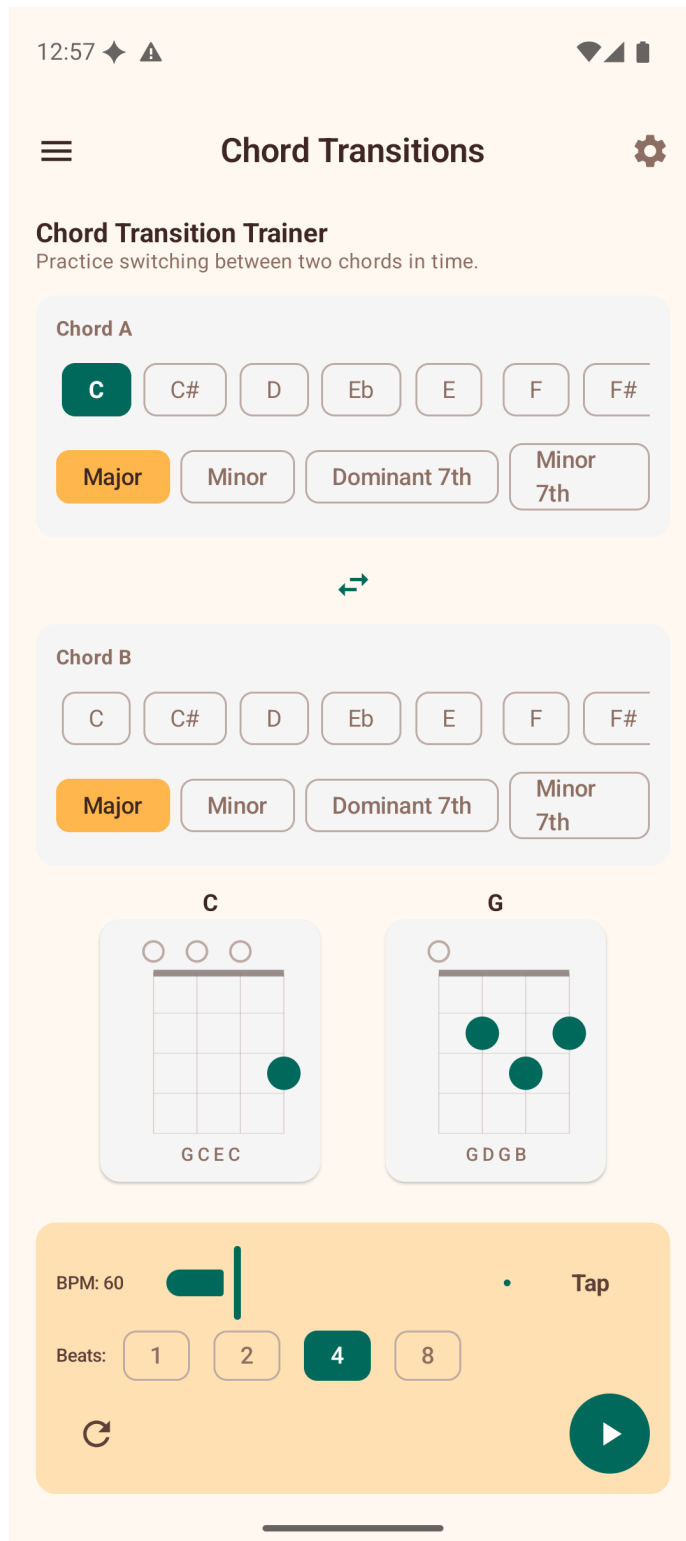


Figure 21: Chord Transitions

Animation

Below the diagrams, an animated fretboard shows how your fingers move from Chord A to Chord B:

- Fingers that stay in place are shown as stationary dots.
- Fingers that slide along a string are animated smoothly.
- Fingers that lift off are shown moving away.
- Fingers that place onto a new position are shown arriving.

Controls

- BPM slider — controls the animation speed.
- Tap Tempo — set the speed by tapping.
- Beats — choose 1, 2, 4, or 8 beats per transition cycle.
- Play button — starts the repeating animation.
- Reset button — resets the animation to the start.

A text description of each finger movement is shown alongside the animation (e.g., “Index: slide from fret 1 to fret 2”, “Ring: lift off”).

Tips

- Start Play Along at a slow BPM (60–80) and increase as you get comfortable.
- Add your most-used chords to SRS so you always remember the fingerings.
- Use Chord Transitions to practise the specific chord changes that give you trouble.
- Combine these tools: use Chord Transitions to learn a change, then Play Along to practise it in context.