

Benedict Melodies

STAGE & STUDIO MUSICIAN SUITE

How-to-Use Guide

Key finder • Tuner • BPM & Time • Chords • Setlist • Practice tools

“Praise Him with the harp, lyre, organs, and flute.” — Psalm 150

WELCOME

Your stage and studio companion

Benedict Melodies is a free musician toolkit that runs in your phone, tablet or computer browser. It listens through the microphone to find a song's **key, tempo, time signature and chords**, tunes your instrument, and gives you practice and band tools — with nothing to install.

What's inside this guide

1	**Getting started**	Open the app, allow the mic, the top controls
2	**Scale Matrix — key finder**	Find the key of any song
3	**Guitar & instrument tuner**	Guitar, bass, ukulele, violin and custom tunings
4	**BPM & Time**	Tempo, time signature, tap tempo, metronome
5	**Practice rhythm tools**	Speed Trainer and Timing Check
6	**Studio — Chords & Capo**	Live chord detector and capo calculator
7	**Studio — Setlist & Transpose**	Save songs and change chord charts to a new key
8	**Studio — Voice tools**	Vocal Range Finder and Pitch Trainer
9	**Studio — Learning tools**	Ear Training and Chord & Scale Charts
10	**Studio — Band tools**	Count-in cue screen and Drone pad
11	**Studio — Record & Share**	Quick Record and Share Result Card
12	**Lite mode, settings & troubleshooting**	Phone tips, fixes and quick answers

The fastest way to use it

1
Tap **LISTEN STAGE MIC**
Allow the microphone when your phone asks.

2
Play the song
Let it play for 10–20 seconds near the phone.

3
Read the results
Key on the Scale Matrix, tempo on BPM & Time, chords in Studio.

4
Save & share
Add it to your Setlist or make a Share Card for the band.

1 Getting started

Open the app, allow the microphone and learn the top bar

Opening the app

1. Open the Benedict Melodies page in **Safari** (iPhone/iPad) or **Chrome** (Android). The address must start with **https://**.
2. If you opened the link from WhatsApp, Instagram or Facebook, tap the ••• or share menu and choose **Open in Safari** or **Open in Chrome**. In-app browsers often block the microphone.
3. Tap **LISTEN STAGE MIC**. When asked, choose **Allow**. The button turns red and reads **STOP STAGE MIC** while listening.
4. Place the phone close to the instrument or speaker. The screen stays awake while the mic is on.

GOOD TO KNOW To save battery, the mic switches off by itself after **15 seconds of silence** and whenever you leave the app. Just tap the mic button again to continue.

The top bar at a glance

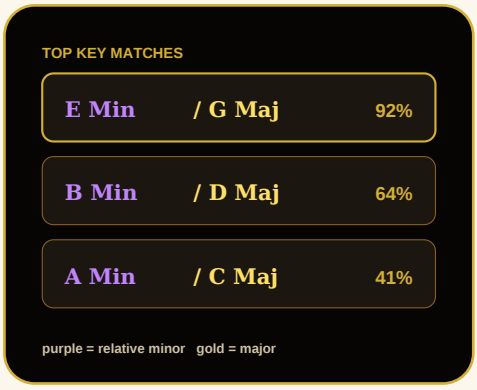
Control	What it does
Scale Matrix	Key finder — shows which keys best match the notes being played.
Guitar Tuner	Tune guitar, bass, ukulele, violin, 7-string or your own custom tuning.
BPM & Time	Detects tempo and time signature; tap tempo, metronome and rhythm practice.
Studio	12 extra tools: chords, capo, setlist, transpose, voice, ear training, charts, count-in, drone, record and share.
Lite	A compact one-screen view designed for small phones on stage.
LISTEN STAGE MIC	Turns the microphone on and off for every tool.
? (help)	Opens the quick walkthrough. The **Guide (PDF)** button opens this document.
♯ / ♭	Switches note names between sharps (C♯) and flats (D♭). Your choice is remembered.
FREEZE	Holds the current results on screen so you can read or screenshot them.
RESET	Clears the key, tempo and time-signature results to start a new song.

Microphone settings

Setting	When to change it
Mic Pre-Amp Gain (1–5×)	Boosts a quiet mic. Around 1× for Android, 2.5× for iPhone/iPad. Raise it if nothing is detected; lower it if results jump around in a loud room.
Stage Noise Filter	Ignores sound below this level. Raise it on a noisy stage so chatter and fans are not counted as notes.
Music Mode (raw mic)	Keep **on** for music. It turns off the phone's voice-call processing, which otherwise flattens drums and sustained notes.

2 Scale Matrix — key finder

Find the key of any song by listening



How it works

Each note the app hears is matched against all 12 keys. Every key appears as a **relative minor / major pair** (for example **E Min** / **G Maj**), because both share the same notes. The more notes that fit a key, the higher its score.

Reading the results

The **top three matches** appear as cards. The table below shows every key with its chords — iii, vi, ii, V, I, IV, ♭VII and dim — and lights up the chords that have been heard. The **Transpose** value tells you how many semitones that key is from C.

Step by step

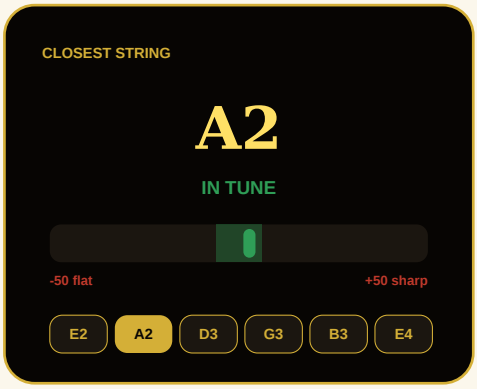
1. Tap **RESET** before each new song.
2. Tap **LISTEN STAGE MIC** and play or sing the song.
3. Wait 10–20 seconds. Watch the top card settle on one key.
4. Decide major or minor: if the song feels like it “comes home” to the purple root it is minor; if it rests on the gold root it is major.
5. Tap **FREEZE** to hold the result while you write it down.

TIP A single melody (one voice or instrument) gives the cleanest result. Full band mixes work too — just give it a little longer.

GOOD TO KNOW The ♭VII column is shown for reference (it is a common borrowed chord) but is not counted in the score.

3 Guitar & instrument tuner

Accurate tuning for guitar, bass, ukulele, violin and more



Step by step

1. Open **Guitar Tuner** and choose a preset.
2. Tap **LISTEN STAGE MIC**.
3. Play one open string at a time and let it ring.
4. The big letter shows the closest string. Tighten if the needle is left (flat), loosen if it is right (sharp).
5. When the needle turns green and reads **IN TUNE** (within ±5 cents), move to the next string.

Available tunings

Preset	Strings (low to high)	Use for
Standard	E A D G B E	Most guitar songs
Drop D	D A D G B E	Heavy riffs, low D songs
Half-Step Down	E♭ A♭ D♭ G♭ B♭ E♭	Playing along with bands tuned down
Open D	D A D F♯ A D	Slide and fingerstyle
DADGAD	D A D G A D	Celtic and ambient worship
7-String	B E A D G B E	Seven-string guitar
Bass (EADG)	E A D G	4-string bass
5-String Bass	B E A D G	5-string bass
Ukulele (GCEA)	G C E A	Standard ukulele (high G)
Violin (GDAE)	G D A E	Violin
Custom	Your own	Any instrument or alternate tuning

Hearing a reference note

Tap any string button under **Reference strings** (or a peg on the guitar picture) to hear its exact pitch. Tune by ear until the string matches the tone.

Making a custom tuning

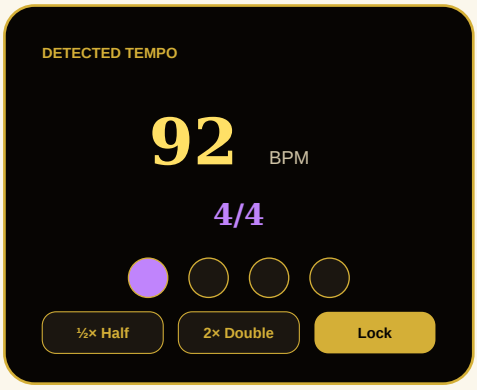
1. Type the notes from lowest to highest, each with its octave number, separated by spaces — for example `D2 G2 D3 G3 B3 D4` (Open G).
2. Tap **Apply**. Your tuning is saved on this device and appears under **Custom**.

> **TIP** Very low strings (bass B and E) take a moment longer to read. Pluck firmly and let the note ring.

4

BPM & Time

Find tempo and time signature, tap along and use the metronome



Detected tempo

The app listens for beats — drums, strumming or clapping — and shows the tempo in **beats per minute** with a confidence bar. It starts after about 4 seconds and becomes steady after 10–15 seconds.

Time signature

From which beats are accented, it estimates **4/4**, **3/4**, **6/8** or **12/8**. The beat lights flash in time, with beat 1 in purple.

Step by step

1. Open **BPM & Time** and tap **LISTEN STAGE MIC**.
2. Play the song for 10–15 seconds.
3. If the number feels twice too fast or too slow, tap **½× Half** or **2× Double**.

4. Tap **Lock** to stop the reading from changing.
5. Tap **Use Detected** on the metronome to copy the tempo and time signature.

GOOD TO KNOW Tempo detection is an estimate. Slow ballads and busy hi-hats are often read at half or double speed — that is what the ½× and 2× buttons are for.

Tap Tempo

Tap the big **TAP** pad in time with the music at least four times. The BPM appears instantly and is sent to the metronome. Pause for two seconds to start a new count.

Stage Metronome

Control	What it does
− / + and number box	Set any tempo from 30 to 260 BPM.
2/4, 3/4, 4/4, 6/8	Beats per bar. Beat 1 has a higher, louder click. In 6/8 the BPM is the dotted-quarter pulse and each eighth note clicks.
Use Detected	Copies the detected BPM and time signature.
START / STOP	Starts or stops the click. The lights show the current beat.
Full-screen band cue	Opens the large count-in display (see section 10).

IMPORTANT Turn the metronome off while detecting tempo, or the mic will hear the clicks instead of the song. On iPhone, if you hear nothing, check the volume buttons.

5 Practice rhythm tools

Build speed and tighten your timing

Speed Trainer

Raises the metronome tempo automatically so you can master a difficult part step by step.

1. Set a comfortable starting tempo on the metronome.
2. Enter **Add BPM** (how much to speed up), **Every bars** (how often) and **Stop at** (your goal tempo).
3. Tick **On**, then press **START** on the metronome. A message shows each time the tempo goes up.

TIP A good routine: start 20 BPM below your target, add 4 BPM every 4 bars.

Timing Check

Listens to you playing along with the metronome and shows whether you are early (**rushing**) or late (**dragging**), in milliseconds.

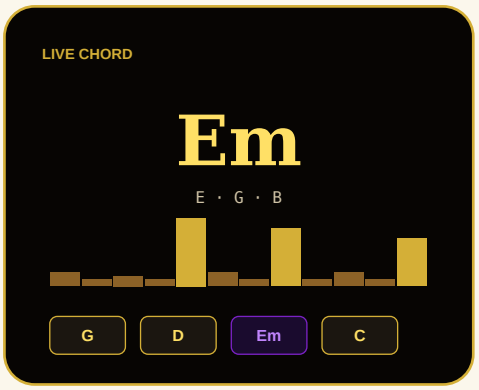
1. Put on **headphones** so the mic hears you, not the click.
2. Turn on the mic and **START** the metronome.
3. First time on a phone: tap **Calibrate** and clap exactly with 8 clicks. This removes your phone’s built-in delay.
4. Tap **START CHECK** and play or clap along.

Reading	Meaning
Average	Your typical offset. +20 ms means you play slightly late; −20 ms slightly early.
Steadiness	How consistent you are. Smaller is better — under ±25 ms is very tight.
Bars	Green = within 20 ms. Bars above the line are late, below are early.
Verdict	**Locked in!**, **On time, loose**, **Rushing** or **Dragging**.

6 Studio — Chords & Capo

See the chords being played and find the easiest capo position

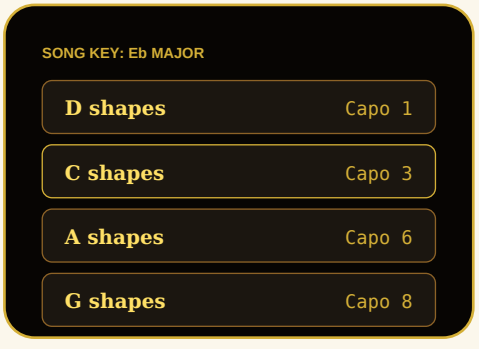
Open the **Studio** tab. The strip at the top always shows the live **Key, BPM, Time** and **Chord**. Choose a tool from the row of buttons underneath (swipe sideways on a phone to see them all).



Live Chord Detector

1. Tap **Chords** and turn on the mic.
2. Strum full chords clearly, phone close to the instrument.
3. The big name shows the current chord and the notes inside it. The bars show how strongly each note is heard.
4. Chords are added to **Song chords so far**. Tap **Copy** to paste them into a message, or **Clear** to start again.

GOOD TO KNOW Recognises major, minor, 7, m7, maj7, sus2, sus4 and dim. It works best with one instrument; a 7th chord may sometimes show as the plain chord (G7 as G).



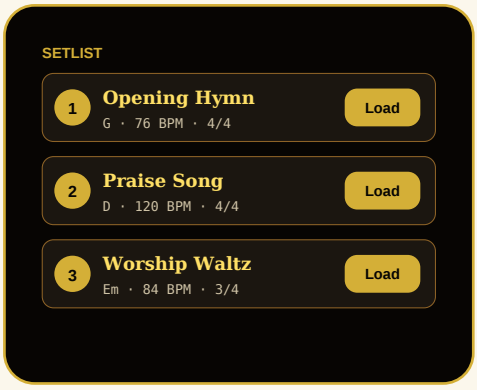
Capo Calculator

1. Tap **Capo**. Choose the song key and Major/Minor — or tap **Use detected**.
2. Each card shows a familiar chord-shape family and the capo fret that makes it sound in the song's key, with its main chords.
3. The highlighted card needs no capo. Cards with a high capo are faded (brighter sound).
4. **Reverse:** choose a capo fret and shapes to see the key it sounds in.

TIP Example: a song in E♭ is easy as **C shapes with capo 3** or **G shapes with capo 8**.

7 Studio — Setlist & Transpose

Keep your songs organised and change chord charts to any key



Song Notes & Setlist

1. Type a song title.
2. Tap **Fill from detection** to add the detected key, BPM and time — or type them yourself.
3. Add a capo fret and notes (intro, singer, cues).
4. Tap **Add song**.
5. Before playing, tap **Load**: the metronome, drone, charts and capo all switch to that song.

Button	What it does
▲ / ▼	Move a song up or down the running order.
Pencil	Edit a song, then tap **Save changes**.
Bin	Delete a song.
Share / Backup	Shares the setlist as a message (WhatsApp, email). It includes a data code so others can import it.
Import	Paste a shared setlist message to load it. You can replace your list or add to it.

IMPORTANT Your setlist is saved **on this device and browser only**. Use Share / Backup regularly, especially before clearing browser data.

Transpose Sheet

1. Paste a chord chart. Chords on their own line above lyrics, or inline like `[G]Amazing [C]grace`, both work.
2. The **From** key is guessed from the first chord — change it if needed.
3. Choose the **To** key, or use **−** / **+** to move one semitone at a time, or tap **To detected key**.
4. Choose sharps, flats or Auto spelling.
5. Tap **Copy result**. Chords stay lined up above the words.

8 Studio — Voice tools

Know your range, pick the right key and sing in tune

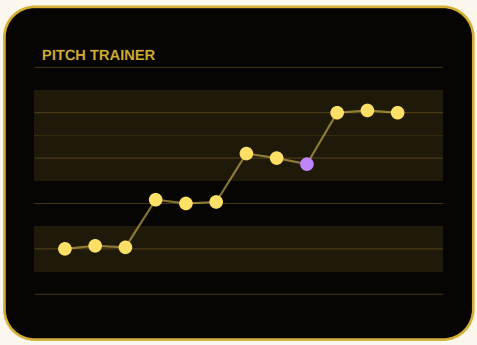
Vocal Range Finder

1. Tap **Vocal Range** and turn on the mic.
2. Sing your lowest comfortable note and hold it, then slide gently up to your highest comfortable note.
3. The app records your **Lowest** and **Highest** notes (a note is counted only when held steadily), your range in semitones and octaves, and your closest voice type.
4. Tap **Reset** to try again.

Find my key for a song

Enter the song's key and its lowest and highest melody notes. The app suggests how many semitones to move and the new key, so the melody sits in the middle of your range. If the melody is wider than your range, it warns you.

Voice type	Typical range
Soprano	C4 – C6
Mezzo-soprano	A3 – A5
Alto	F3 – F5
Tenor	C3 – C5
Baritone	A2 – A4
Bass	E2 – E4



Pitch Trainer

1. Tap **Pitch Trainer** and turn on the mic.
2. Choose a key to highlight its notes as shaded rows (or Off).
3. Sing. A line traces your pitch over the last 8 seconds.
4. **Gold dots** are within 15 cents of a note; **purple** dots are off pitch.

> **TIP** Great for warm-ups: sing a slow scale and aim to keep every dot gold and inside the shaded rows.

9 Studio — Learning tools

Train your ear and learn chords and scales in any key

Ear Training

1. Tap **Ear Training** and choose **Intervals** or **Chords**.
2. Tap **Play new**. Listen.
3. Tap the answer you hear. The correct answer turns green (a wrong guess turns red).
4. Tap **Replay** as often as you like, then **Next**.

Mode	Questions
Intervals	m2, M2, m3, M3, P4, Tritone, P5, m6, M6, m7, M7, Octave — two notes played one after another, then together.
Chords	Major, Minor, Dim, Aug, Dom 7, Maj 7, Min 7, Sus 4.

> **TIP** Link intervals to songs you know. Your best streak is saved, so challenge yourself each day.

Chord & Scale Charts

1. Choose a key and Major/Minor, or tap the wand button to use the detected key.
2. See a guitar diagram for every chord in the key, labelled with Roman numerals (I, ii, iii, IV, V, vi, vii°).
3. **Tap any chord diagram** to hear it strummed.
4. Choose a scale — key scale, major or minor pentatonic, or blues — to show it on a piano keyboard and a guitar fretboard (frets 0–12). The root note is bright gold.

Diagram mark	Meaning
Filled dot	Press this fret
Open circle above	Play the open string
× above	Do not play this string
Bar across	Barre with one finger
Number at left	Starting fret for higher positions

10 Studio — Band tools

Count the band in and play a background drone



Count-in & Band Cue

1. Set the tempo with **–** / **+** or tap **Use detected**.
2. Tick **Spoken count-in** if you want to hear “1, 2, 3, 4”.
3. Tap **Open cue screen**. Place the phone or tablet where the band can see it.
4. Tap **COUNT IN**. The screen flashes every beat — purple on beat 1, gold on others.
5. Tap **STOP** to end and the × to close.

GOOD TO KNOW The screen stays awake while the cue screen is open. The spoken count may lag the beat slightly on some phones — the clicks themselves are exact.

Drone & Pad

A warm, steady background sound in any key — ideal for tuning by ear, vocal warm-ups, prayer and transitions between songs.

1. Tap a key button, or tap **Detected key**.
2. Choose a sound and an octave (Low, Mid or High).
3. Tap **PLAY**. Adjust the volume slider. Tap **STOP** to fade out.

Sound	Best for
Root + 5th (drone)	Tuning by ear, Indian/modal styles, any major or minor song
Root only	Simple pitch reference
Major pad	Worship transitions in major keys
Minor pad	Reflective moments in minor keys

TIP Changing the key while the drone is playing switches smoothly — perfect for moving between songs in a medley.

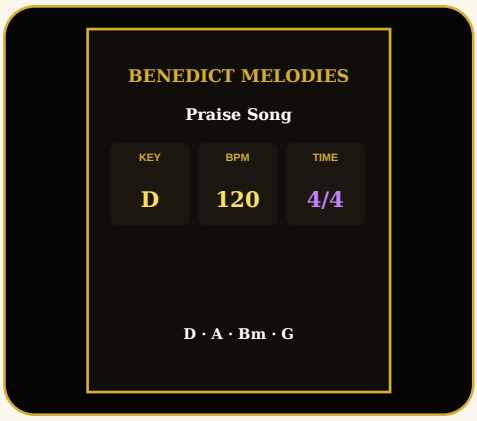
11 Studio — Record & Share

Capture ideas and share results with your band and fans

Quick Record

1. Optionally type a name for the idea and choose the maximum length (15 s to 3 min).
2. Tap **RECORD**. The mic turns on automatically if needed. The button pulses while recording.
3. Tap **STOP**, or wait for the time limit.
4. The clip appears below with its length, key, BPM and time signature. Play it, download it or delete it.

IMPORTANT Recordings are kept **only on this device and browser**. Download clips you want to keep. Private/incognito browsing may not save them.



Share Result Card

1. Type a song title (optional).
2. Tap **Fill** to add the detected key, BPM, time and chords — or type them.
3. Tap **Preview** to see the branded Benedict Melodies card.
4. Tap **Share** to send it to WhatsApp, Instagram and more. On computers it downloads as a PNG image.

TIP Share the card in your band group before rehearsal so everyone arrives knowing the key, tempo and chords.

12 Lite mode, settings & troubleshooting

Phone tips and quick fixes

Lite mode

Tap **Lite** for a compact single-screen view: the top key match in one large card, two runner-ups you can tap, live pitch and tempo. It is designed for small phones on a music stand.

What the app remembers

Sharps/flats choice, Music Mode, your last Studio tool, custom tuning, setlist, ear-training best streak, timing calibration and recordings are all saved on your device. Nothing is uploaded.

Troubleshooting

Problem	Try this
Mic button does nothing / “not supported”	Open the page in Safari or Chrome (not inside WhatsApp, Instagram or Facebook). The address must start with https://.

Problem	Try this
Microphone was blocked	iPhone: Settings › Safari › Microphone › Allow. Android: tap the lock icon in the address bar › Permissions › Microphone › Allow. Then reload.
Nothing is detected	Raise Mic Pre-Amp Gain, lower the Stage Noise Filter, and move the phone closer.
Results jump around	Raise the Stage Noise Filter, lower the gain, and keep Music Mode on.
Mic stopped by itself	Normal after 15 seconds of silence or when you switch apps. Tap the mic button again.
BPM is half or double	Tap ½× or 2×, then Lock.
Key shows the relative minor/major	Both share the same notes. Listen for where the song feels “at home” to choose.
No sound from metronome, drone or reference tones	Turn up the media volume. On iPhone also check the Silent switch and that no Bluetooth device is connected.
Tuner can’t read low bass strings	Pluck firmly, let the note ring, and raise the gain.
Setlist or recordings disappeared	They are stored in this browser only. Clearing browser data or using private mode removes them — use Share / Backup.
Phone calls or Siri interrupt	The mic stops safely. Tap the mic button again afterwards.

Best results on stage

- Use a quiet spot or point the phone at the instrument, away from the PA.
- Tap RESET between songs so old notes don’t affect the new key.
- Keep the phone on charge for long sessions — the screen stays on while listening.
- Add the page to your home screen (Share › Add to Home Screen) for one-tap access.



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“Praise Him with the harp, lyre, organs, and flute.” — Psalm 150