



PSG Compass User Manual

WELCOME TO PSG COMPASS

Your interactive guide to mastering the pedal steel guitar. This manual will help you unlock the full potential of the app, from finding chords to composing full arrangements.

1. Getting Started

1.1 BASIC VS. PRO TIERS

PSG Compass offers two tiers to suit your needs:

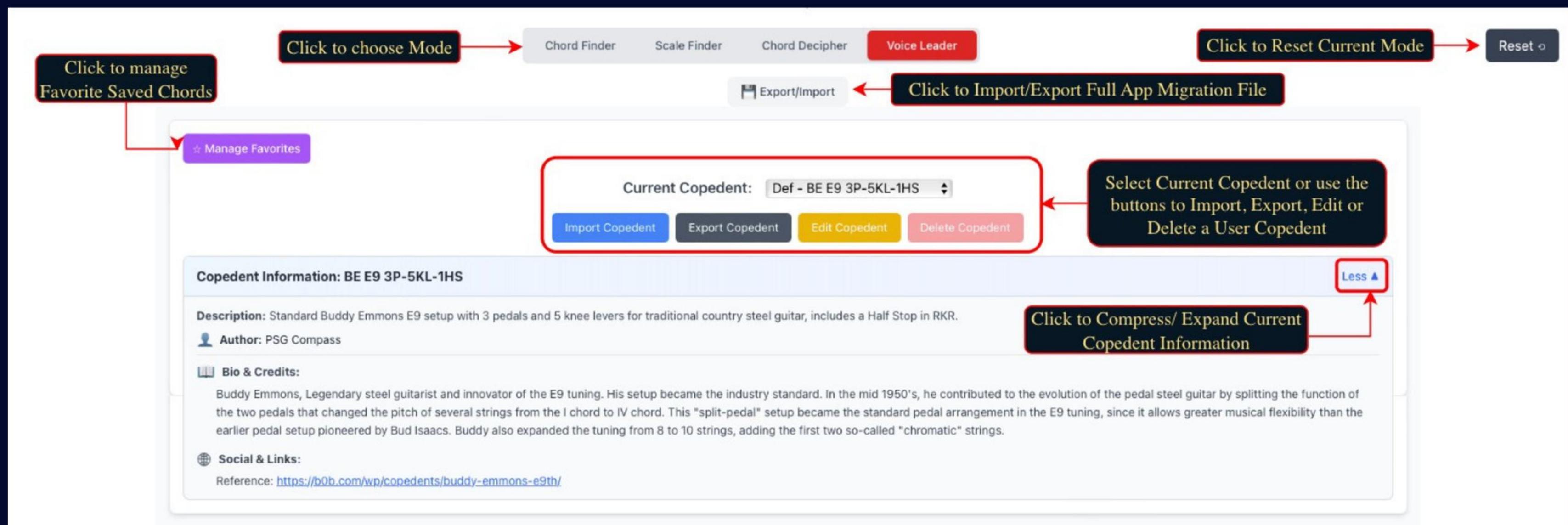
- Basic Tier: Unlocks the core exploration tools: Chord Finder and Scale Finder.
- Pro Tier: Grants full access to the entire toolkit, including the Voice Leader and Chord Decipher for advanced analysis and composition.

Note: Both tiers require a one-time purchase.

1.2 FIRST STEPS: YOUR COPEDENT IS KEY

Before you begin, you must tell the app about your instrument.

- Locate the "Current Copedent" dropdown menu at the top of the app.
- Select the default setup that matches yours (e.g., "Def - E9").
- (Optional) To create a custom copedent, see the detailed guide in Section 5.



2. Core Features (Basic & Pro Tiers)

2.1 CHORD FINDER

Purpose: Discover chord voicings anywhere on the neck and find all the ways to play a specific chord on your copedent.

How to Use It:

1. Click the "Search Chord" button.
2. In the menu that appears, define your chord:
 - Root Note (e.g., C, F#)
 - Chord Type (e.g., Major, m7b5)
 - Results Per Fret (Show more than one unique result in each fret when found)
3. The app instantly displays a grid of matching voicings.

Choose a Chord

356 chord types available

Root Note: G (Change Root of Chord)

Results per Fret: 1

Triads (3-note)

12 chord types available

Selected Root: G Display: Intervals

Change Display between Intervals (R, M3, P5) and Symbols (R, 3rd, 5th)

Results Per Fret (Show more than one unique result in each fret when found)

How to Find a Chord:

- **Browse Categories:** Chords are organized by interval structure and number of notes. Use the categories on the left to explore.
- **Set the Root:** Pick a root note and enharmonic (♯/♭).
- **Choose a Type:** Select a chord from the list. **Pro-Tip:** Double-click a chord to accept it immediately.
- **Change Display:** Use the display toggle to switch between formal interval names (e.g., 'R m3 P5') and simplified symbols (e.g., 'R 3 5').
- **Preview Audio:** Click a chord, then use the "Arpeggio" or "Strum" buttons to hear it.

Triads (3-note)

Category	Count
Triads (3-note)	12
Suspended Triads (3-note)	20
Seventh Chords (4-note)	6
Suspended Sevenths (4-note)	11
Altered Sevenths (4-note)	7
Sus Altered Sevenths (4-note)	14
Sixth Chords (4-note)	20
add 9 Chords (4-note)	17
add 11 Chords (4-note)	20
Seventh add 11 (5-note)	6
Seventh Altered add 11 (5-note)	5
Seventh Sus add 11 (5-note)	14
Seventh add #11 (5-note)	8
Seventh Sus add #11 (5-note)	8
Ninth Chords (5-note)	10

Select Chord Category and then Chord type

After Selecting Chord, click these green buttons to play it and audition before Accepting

Arpeggio

Strum

Accept G Major Triad

UNDERSTANDING THE RESULTS:

Each chord result shows you everything you need to play it:

- Fret Position
- Engaged Pedals & Levers (e.g., P1, P2, LKL)
- Audio Playback (Green Arpeggio and Block Chord buttons)
- Add to Favorites ★
- Add to PDF List

Pro Tips:

- Sort Your Results: Use the "Sort By" dropdown to order voicings by Easiness (fewest pedals), Fret position, or to prioritize your Favorites.
- Filter Intervals: Use the Interval Filtering panel to remove specific notes (like the 5th) and click "Refresh Results" for more voicing options.
- Find Matching Scales: Click the "Find Scales" button to jump to the Scale Finder with a pre-filtered list of scales that work perfectly over your chord.

After selecting your copedent, click here to select the Chord to be searched → **Search Chord**

Filter Chord Intervals
Uncheck intervals you wish to omit from the search.

Click to Filter out Intervals from the chord, and then click on Refresh Results → **Refresh Results**

Sort Result by Easiness, Fret number or Favorites → **Sort by: Easiness**

Change Display between Intervals (R, M3, P5) and Symbols (R, ♯ 3rd, 5th) → **Note Display: R Intervals**

Click to go to Scale Finder and show the Scales that contain this Chord → **Find Scales**

Chord Results for G 9#5 - 7 found

G 9#5 - Fret 5 (9 Strings Used)

Pedal/Knee Lever Combo for this Chord → **(P3) + (VL) + (RKL)**

Click to Favorite Chord → **Export to PDF**

Arp | Pluck | Find Scales

Unisons Found:

B4: Keep All Keep S1 Keep S4
 B3: Keep All Keep S6 Keep S7

Click to Play Chord

Click to add Chord to list for Exporting to PDF

Click to go to Scale Finder and show the Scales that contain this Chord

Legend: Played (Click to Mute) | Unison Strings | Split Applied | Muted (Click to Activate) | Unused in Voicing

String List:

- S1 • F# → B4[M3]
- S2 • D# → A4[9]
- S3 • G#
- S4 • E → B4[M3]
- S5 • B → F4[m7]
- S6 • G# → B3[M3]
- S7 • F# → B3[M3]
- S8 • E → A3[9]
- S9 • D → G3[R]
- S10 • B → D#3[#5]

Red is unused strings, Green is active strings, Yellow is detected Unisons (repeated notes on different strings), Indigo is strings that have a split mechanism, Grey are muted strings. Yellow and Green and Indigo can be muted into Grey to deactivate the string. You can see the resulting note and the pedal/knee lever used in that string

2.2 SCALE FINDER

Purpose: Visualize scales and their harmonic relationships and see scale patterns on the fretboard and discover which chords they contain.

How to Use It (Two Modes):

Mode 1: Browse & Explore

1. Click "Search Scale".
2. Choose a Root Note and a Scale from the categorized list.
3. The fretboard instantly updates. Notes are color-coded:
 - Red: Root
 - Green: 3rd
 - Yellow: 5th
 - Blue: Other Scale Tones
4. View the "Harmonic Context" section below to see all chords in this scale.

Selected Scale: C Ionian
Description: The classic, bright, and happy major sound.
Notes: C-D-E-F-G-A-B-C
Intervals: R-M2-M3-P4-P5-M6-M7-R

Click on these buttons to play the selected scale in harmonic context, with the chords belonging to the selected scale

Scale Harmony

C Major Triad I D Minor Triad ii E Minor Triad iii F Major Triad IV G Major Triad V A Minor Triad vi B Diminished Triad vii°

Change Display between Intervals (R, M3, P5) and Symbols (R, 3rd, 5th)

Note Display: R Intervals Speed: 400ms Direction: Up Scale Vol: 40%

Change Direction of the Played Scale

Play Add to PDF Export

Select Between Playing triads or 7th Chords, and between showing Roman numbers or Nashville Number System

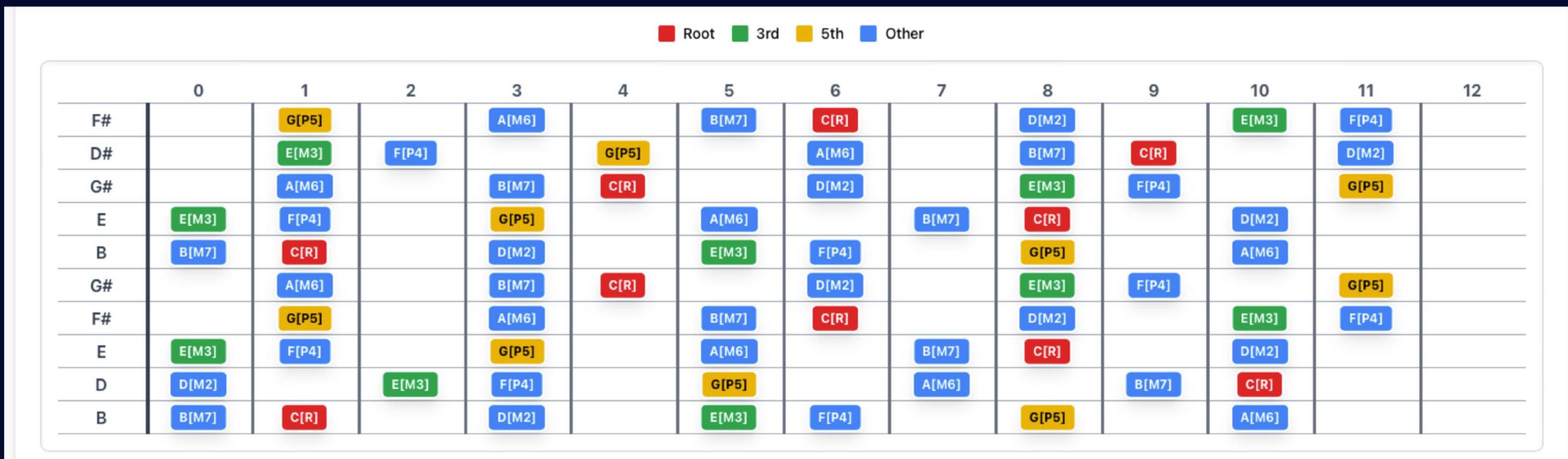
Triads Roman Chord Vol: 80%

Engage Pedals & Levers

Click to engage Pedals or Knee Levers and see how they affect the strings and the scale positions

Pedals: P1 P2 P3 Levers: LKL VL LKR RKL RKR RKRHS

Play Scale Add Scale To list for PDF Export



Mode 2: Find Scales for a Chord

1. Start in the Chord Finder and search for a chord.
2. Click the "Find Scales" button.
3. You are taken to the Scale Finder, which now shows a filtered list of scales that contain your chord's notes. Click "Clear Filter" to return to normal browsing.

Interactive Controls:

- Engage Pedals/Levers: Use the checkboxes to see how the scale pattern shifts across the neck in real-time.
- Audio Playback: Play the scale, control speed/direction, and enable "Chord Context" to hear the scale over a background chord.
- Click Any Note on the fretboard to hear its pitch.

The screenshot shows the Scale Finder interface with the following details:

- Selected Scale:** C Mixolydian
- Description:** Bluesy dominant rock sound
- Notes:** C-D-E-F-G-A-B♭-C
- Intervals:** R-M2-M3-P4-P5-M6-m7-R
- Chord Context:** C 7
- Play with Chord Context:** Chord Vol: 80%
- Note Display:** R Intervals
- Speed:** 400ms
- Direction:** Up
- Scale Vol:** 40%
- Scale Options for C 7:** Choose from the list of Scales that contain the searched Chord
- 21 scales available:**
 - Mixolydian (selected)
 - Phrygian ♭4
 - Half-Whole Diminished
 - Mela Citrambari
 - Mela Naganandini
 - Eight Tone Spanish Scale
 - Lydian Dominant
 - Mixolydian ♭2
 - Hungarian Major
 - Romanian Major
 - Raga Ganavaridhi
 - Mixolydian ♭6
 - BH Seventh Diminished
 - Lydian #2 ♭6
 - Superlocrian ♭6
 - Raga Madhuranjani
 - Phrygian Dominant
 - Bebop Dominant
 - Lydian Minor
 - Kathian
 - Sabach
- Show Only Selected Scale**
- Scale Harmony:** Click on these buttons to play the selected scale in harmonic context, with the chords belonging to the selected scale
- Relative to:** F Ionian (5th mode)
- Chord Buttons:** F Major Triad (I), G Minor Triad (ii), A Minor Triad (iii), B♭ Major Triad (IV), C Major Triad (V, highlighted in purple), D Minor Triad (vi), E Diminished Triad (vii°)

3. Advanced Tools (Pro Tier Only)

3.1 CHORD DECIPHER

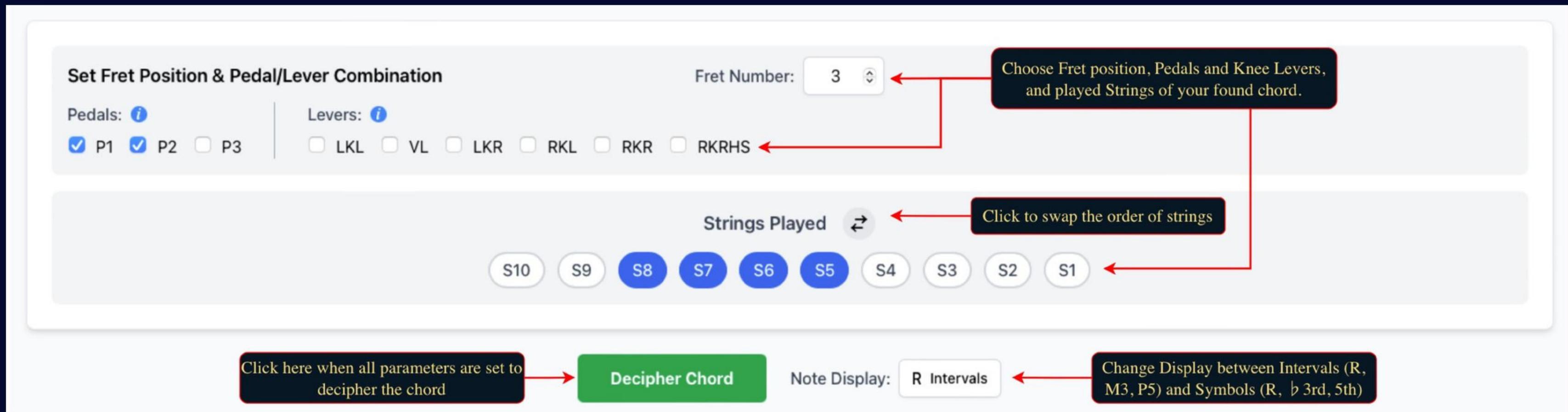
Purpose: Name that chord! Identify any voicing you find on your guitar. Analyze the notes you're fretting to get possible chord names.

How to Decipher a Chord:

1. Set your Fret Position.
2. Check the boxes for any Pedals & Levers you are using.
3. Click the string buttons (S1, S2...) for the strings you are playing (minimum 3).
4. Click "Decipher Chord".

Understanding the Results:

The app provides a list of possible chord names. The first result is typically the most common interpretation, while others offer more theoretical or "gourmet" options. Each result can be added to your chord list for PDF export.



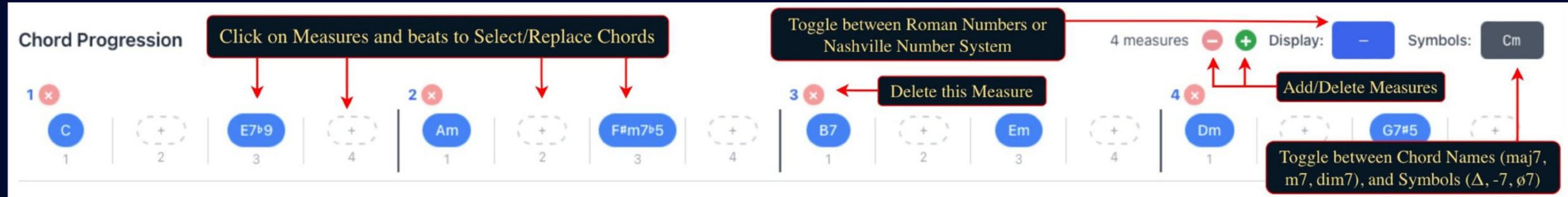
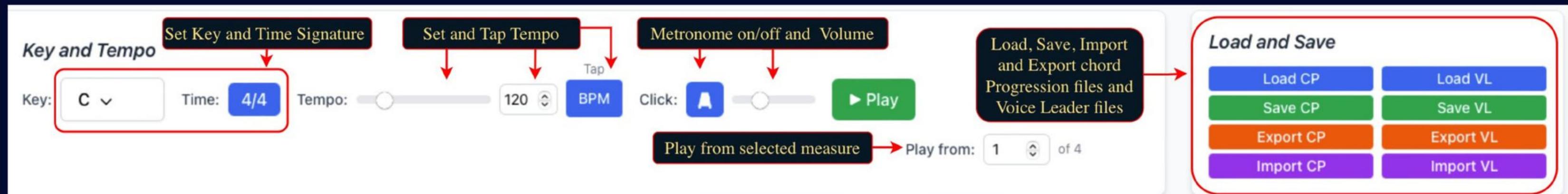
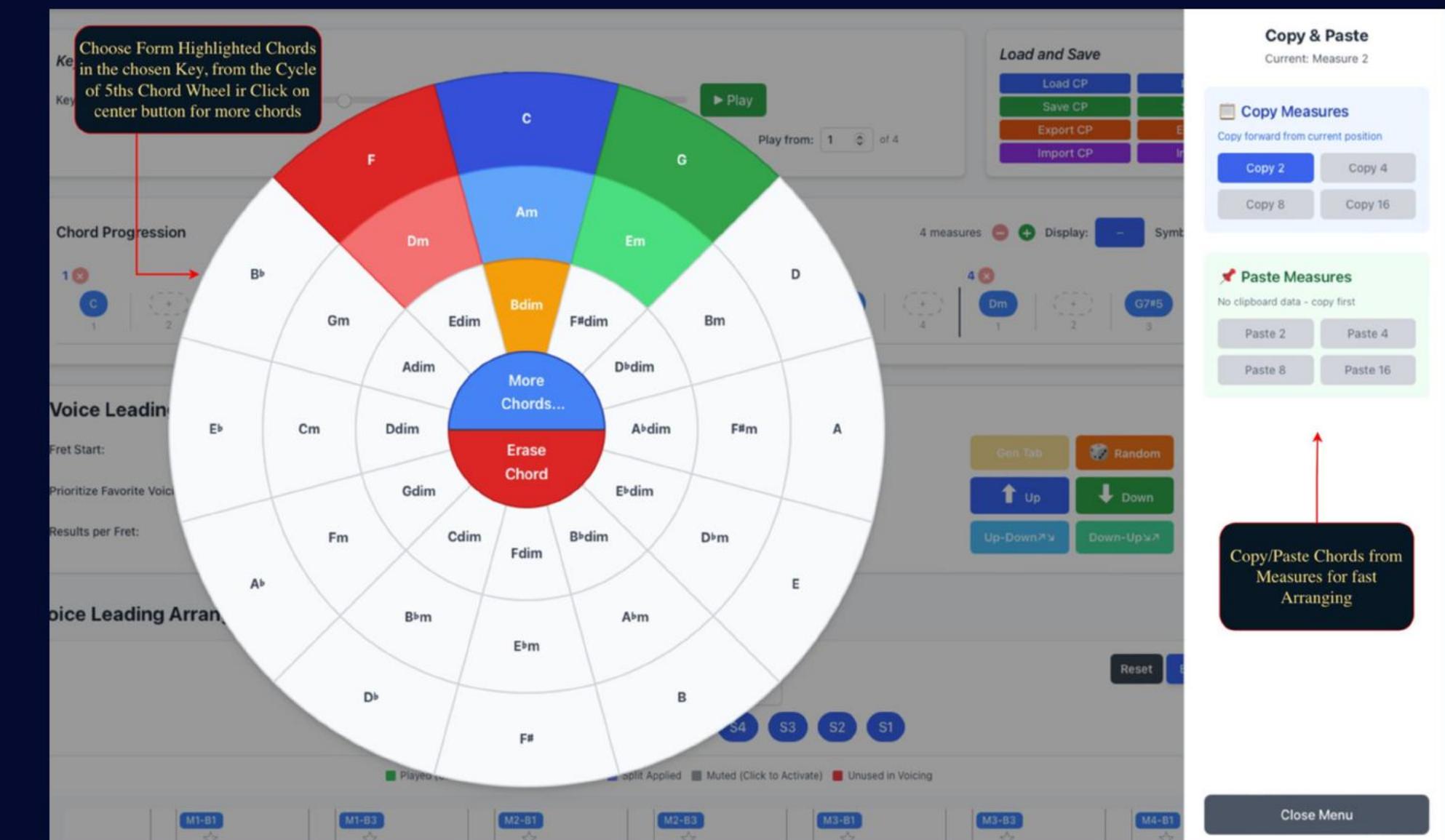
3.2 VOICE LEADER

Purpose: Generate smooth, playable tablature for a sequence of chords. Your intelligent arrangement assistant for building chord progressions.

The Workflow: Build -> Generate -> Refine

Phase 1: Build the Progression

- Click on beats in the Measure Grid to add chords.
- Use the intuitive Radial Chord Menu (based on the Circle of Fifths) for quick selection. For complex chords, click "More Chords...".
- Set the overall Key, Tempo, and Time Signature.
- Save your idea as a universal .cprog file. This is just the chord sequence, not the tab.



Phase 2: Generate the Tablature

- Use the Directional Controls to guide the movement between chords: Up (↑), Down (↓), Zig-Zag (↗ ↘), or Random (🎲).
- Optional: Set a Fret Range or toggle "★ Use Favs" to prioritize your favorite voicings.
- Click a direction to generate the tablature in the Progression Tablature section.

Voice Leading Controls

Starting Fret of Arrangement

Fret Start:

Prioritize Favorite Voicings:

Results per Fret:

Pool A (Best)

Fret Range of Arrangement

Fret Range: 0-11

Min:

Max:

Fret Jump: 1

Fret Jump Between Chords

Choose to just Generate the Chords, or give Direction to Arrangement

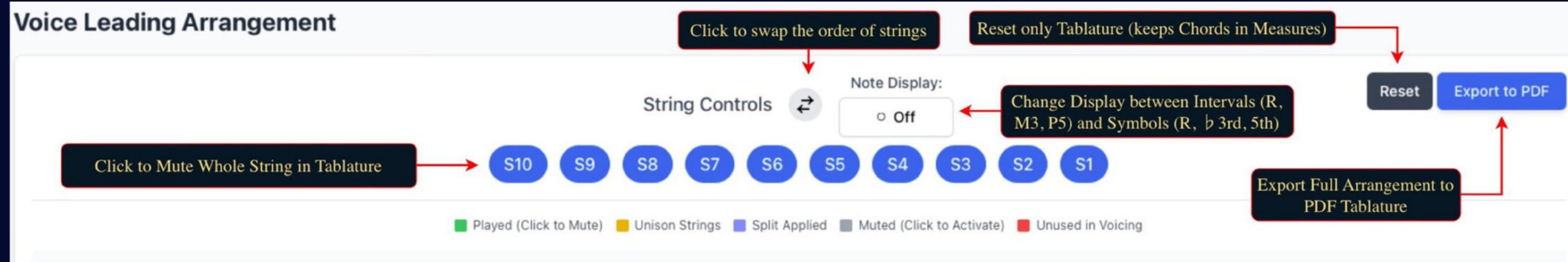
Gen Tab
Random

Up
 Down

Up-Down ↗ ↘
 Down-Up ↘ ↗

█ Played (Click to Mute) █ Unison Strings █ Split Applied █ Muted (Click to Activate) █ Unused in Voicing

M1-B1		M2-B1		M2-B3		M3-B1		M4-B1		M4-B3		M5-B1	
TG	1 F#	TG	1	TG	1	TG	1 RKR	TG	1	TG	1 RKR	TG	3
TG	2 D#	TG	1RKR	TG	1	TG	1 RKR	TG	2 RKR	TG	3 RKRHS	TG	4 RKR
TG	3 G#	TG	0 P2	TG	1P2	TG	1	TG	1	TG	3 P2	TG	4
TG	4 E	TG	0 LKL	TG	1LKR	TG	1 LKR	TG	1	TG	2 LKL	TG	3 P3
TG	5 B	TG	0 P1+VL	TG	1P1	TG	1P1+VL	TG	1P1	TG	2 VL	TG	3 P3+VL
TG	6 G#	TG	0 P2	TG	1P2	TG	1	TG	1	TG	2	TG	4
TG	7 F#	TG		TG	1	TG	1	TG	1	TG	3	TG	3
TG	8 E	TG	0 LKL	TG	1LKR	TG	1 LKR	TG	1	TG	2 LKL	TG	4
TG	9 D	TG	1RKR	TG		TG		TG	1 RKR	TG	2 RKR	TG	4 RKR
TG	10 B	TG	0 P1+VL	TG	1P1	TG	1P1+VL	TG	1P1	TG	2 VL	TG	4



Click to save as a Favorite Chord, After saving the background will turn blue as a visual indication that this is a saved Favorite Chord

Select next/previous voicing of chord

Measure and Beat indicators

Swap between the saved favorite Customizations

Play the chord either in arpeggio or pluck

Play from Measure this chord is in

Click here to see all the voicings in list form and select from there

Click to Filter out Intervals from the chord, and then click on Refresh Results

After saving as a Favorite Chord, you can customize it, (mute/unmute strings) and save up to 5 customizations per Favorite Chord The Interval filtering function, click here when

Chord Name and Pedal/Knee Lever Combo

Lock chord so that directional rearranging will not affect this chord

Display parameters to show note in blue, and interval in purple

Toggle between all on/off notes in a string

Red is unused strings, Green is active strings, Yellow is detected Unisons (repeated notes on different strings), Indigo is strings that have a split mechanism, Grey are muted strings. Yellow and Green and Indigo can be muted into Grey to deactivate the string. You can see the resulting note and the pedal/knee lever used in that string

Phase 3: Refine Your Arrangement

- Play it back with the metronome.
- Lock (🔒) voicings you love to prevent them from changing.
- View "Alternatives" for any chord to swap in a different voicing.
- Save your final arrangement as a .vlead file. This is copedent-specific and contains all your voicing choices.

Remember: The Voice Leader is a creative partner. It gives you a fantastic starting point which you then refine to match your personal taste.

4. Your Personal Chord Library

BUILD YOUR UNIQUE MUSICAL VOCABULARY WITH THE FAVORITE SYSTEM.

The 4-Step Workflow:

1. ★ Star It: Click the star on any chord in the Chord Finder, Decipher, or Voice Leader to save its basic shape.
2. 🎨 Modify It: Click on active notes in the fretboard diagram to mute them (they turn grey). Create your custom variations.
3. 🛡 Save It: After modifying, a gear icon appears. Click it and then "+ Save" to give your custom voicing a name (e.g., "Major - No 5th"). You can save up to 5 versions per chord.
4. ⏪ Cycle It: A cycle button replaces the gear. Click it to instantly toggle between your original and all saved versions.

Your entire Favorites Library, including all customizations, can be exported and imported, allowing you to transfer your personal chord vocabulary between devices.

Swap between the saved favorite Customizations

Click to save as a Favorite Chord. After saving the background will turn blue as a visual indication that this is a saved Favorite Chord

C 7 - Fret 8 (6 Strings Used)

Export to PDF Arp

C 7 Customizations

- Default (Default) Original chord without customizations
- Treble Focus
- Bass Focus

+ Save C5[R]

Manage Favorite Chords - BE E9 3P-5KL-1HS

Current Copedent, Favorite chords are tied to Copedents

Export All Import

Import and Export Full Favorite Chords List for Current Copedent

5 favorite chords

7 P2+LKR + C at fret 1 Added: 11/4/2025

Major Triad P1+P2+RKR + C at fret 3 Added: 11/5/2025

Customizations (1)

Treble Focus Created: 11/5/2025

Delete Primary Chords and its Customizations

Delete Chord

Delete individual Customizations

Delete

7 No pedals+LKL+RKR + C at fret 11 Added: 11/5/2025

Customizations (1)

7 -Strings 2, 9 Muted Created: 11/5/2025

Delete

Minor Triad P1+RKR + C at fret 11 Added: 11/5/2025

Delete

Delete Chord

Close

5. Managing Your Instrument (Copedents)

Selecting a Copedent:

Use the "Current Copedent" dropdown at the top of the app. Default copedents include helpful historical information.

Select Active Knee Levers *i*

<input checked="" type="checkbox"/> LKL	<input checked="" type="checkbox"/> VL	<input checked="" type="checkbox"/> LKR	<input type="checkbox"/> LKL2	<input type="checkbox"/> VL2	<input type="checkbox"/> LKR2
<input checked="" type="checkbox"/> RKL	<input type="checkbox"/> VR	<input checked="" type="checkbox"/> RKR	<input type="checkbox"/> RKL2	<input type="checkbox"/> VR2	<input checked="" type="checkbox"/> RKRHS

STRING # *i* OPEN TUNING PEDALS *i*

	P1	P2	P3	LKL	VL	LKR	RKL	RKR	RKRHS
S1	F#4	+ -	0 0	0 0	0 0	0 0	0 0	0 0	0 0
S2	D#4	+ -	0 0	0 0	0 0	0 0	1 0 (E4)	-2 0 (C#4)	-1 0 (D4)
S3	G#4	+ -	0 0	1 0 (A4)	0 0	0 0	0 0	0 0	0 0
S4	E4	+ -	0 0	2 0 (F#4)	1 0 (F4)	0 0	-1 0 (D#4)	0 0	0 0
S5	B3	+ -	2 0 (C#4)	0 0	2 0 (C#4)	0 0	-1 0 (A#3)	0 0	0 0
S6	G#3	+ -	0 0	1 0 (A3)	0 0	0 0	0 0	-2 0 (F#3)	0 0
S7	F#3	+ -	0 0	0 0	0 0	0 0	0 0	0 0	0 0
S8	E3	+ -	0 0	0 0	1 0 (F3)	0 0	-1 0 (D#3)	0 0	0 0
S9	D3	+ -	0 0	0 0	0 0	0 0	0 0	0 0	0 0
S10	B2	+ -	2 0 (C#3)	0 0	0 0	-1 0 (A#2)	0 0	0 0	0 0

Copedent Editor - Page 1: Definition

Copedent Name: BE E9 3P-5KL-1HS

Copedent Information (Optional)

Description: Standard Buddy Emmons E9 setup with 3 pedals and 5 knee levers for traditional country steel guitar, includes a Half Stop in RKR.

Author: PSG Compass

Author Bio & Credits: Buddy Emmons, Legendary steel guitarist and innovator of the E9 tuning. His setup became the industry standard. In the mid 1950's, he contributed to the evolution of the pedal steel guitar by splitting the function of the two pedals that changed the pitch of several strings from the I chord to IV chord. This

Social Media & Links: Reference: <https://b0b.com/wp/copedents/buddy-emmons-e9th/>

Share your social media or website links

Creating a Custom Copedent:

1. Select a default copedent similar to yours.
2. Click "Edit Copedent" (this saves a copy).
3. You will be guided through a multi-page editor:
 - o Page 1: Definition: Set string tunings and pedal/lever changes.
 - o Page 2: Splits (Mandatory): The app detects potential "split" tunings. You must define each one as "Include" or "Exclude" and specify the resulting change.
 - o Pages 3 & 4: Mechanisms (Advanced): Model complex hardware like palm levers and define which other pedals they can combine with.

Import, Export, and Delete:

You can import (.cop), export, and delete your custom copedents from the main Copedent Manager.

Splits Table:

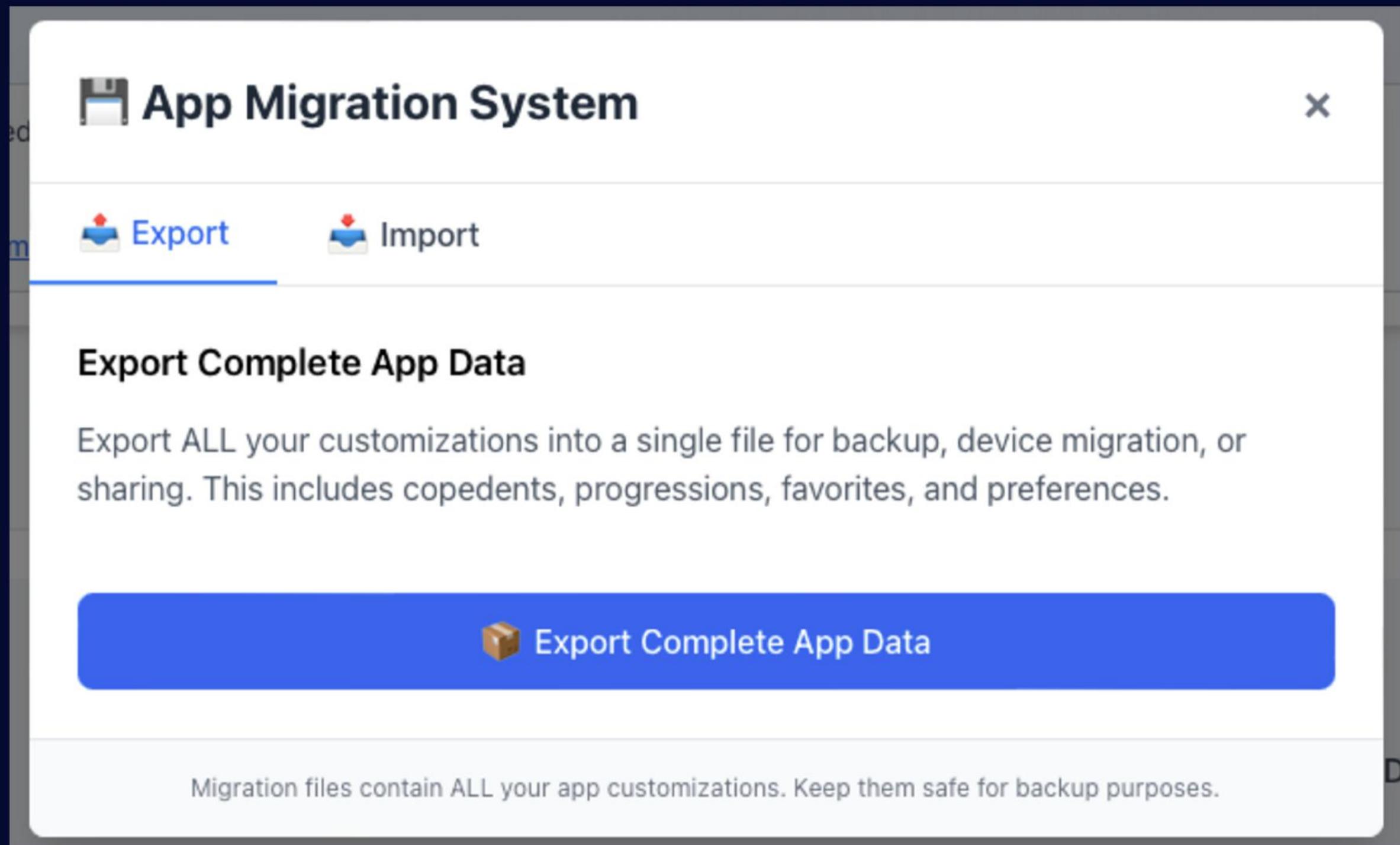
STRING - OPEN TUNING	P/KL COMBO	RESULTING CHANGE (ST) <i>i</i>	ACTION <i>i</i>
2 - D#4	(RKR+RKRHS)	-3 0 C4	<input type="radio"/> Include <input checked="" type="radio"/> Exclude <input type="radio"/> DEFINE
3 - G#4	(P2) + (M2)	2 0 A#4	<input type="radio"/> Include <input type="radio"/> Exclude <input checked="" type="radio"/> DEFINE
4 - E4	(P3) + (LKL)	2 0 F#4	<input checked="" type="radio"/> Include <input type="radio"/> Exclude <input type="radio"/> DEFINE
4 - E4	(P3) + (LKR)	1 0 F4	<input checked="" type="radio"/> Include <input type="radio"/> Exclude <input type="radio"/> DEFINE
4 - E4	(P3) + (M1)	3 0 G4	<input type="radio"/> Include <input type="radio"/> Exclude <input checked="" type="radio"/> DEFINE
4 - E4	(LKL) + (M1)	2 0 F#4	<input type="radio"/> Include <input type="radio"/> Exclude <input checked="" type="radio"/> DEFINE
4 - E4	(LKR) + (M1)	0 0 E4	<input type="radio"/> Include <input type="radio"/> Exclude <input checked="" type="radio"/> DEFINE
5 - B3	(P1) + (VL)	1 0 C4	<input checked="" type="radio"/> Include <input type="radio"/> Exclude <input type="radio"/> DEFINE
5 - B3	(P3) + (VL)	1 0 C4	<input checked="" type="radio"/> Include <input type="radio"/> Exclude <input type="radio"/> DEFINE
6 - G#3	(P2) + (RKL)	-1 0 G3	<input type="radio"/> Include <input checked="" type="radio"/> Exclude <input type="radio"/> DEFINE
10 - B2	(P1) + (VL)	1 0 C3	<input checked="" type="radio"/> Include <input type="radio"/> Exclude <input type="radio"/> DEFINE

Custom Mechanisms

6. Saving/Sharing or Migrating the Full app User Data

Full App Backup:

Use the App Migration System to export a complete backup of all your data. This Will include any User Created Copedents, Chord Progression files, Voice Leader Files and Favorite Saved chords. This is the best way to protect your work, share it with other users, or move to a new device.





PSG Compass

NEXT STEPS & SUPPORT

We hope this manual helps you get the most out of PSG Compass. Remember, the best way to learn is by doing—jump in and start exploring!

For further assistance, please contact support team via the in-app help link.

Happy Playing!