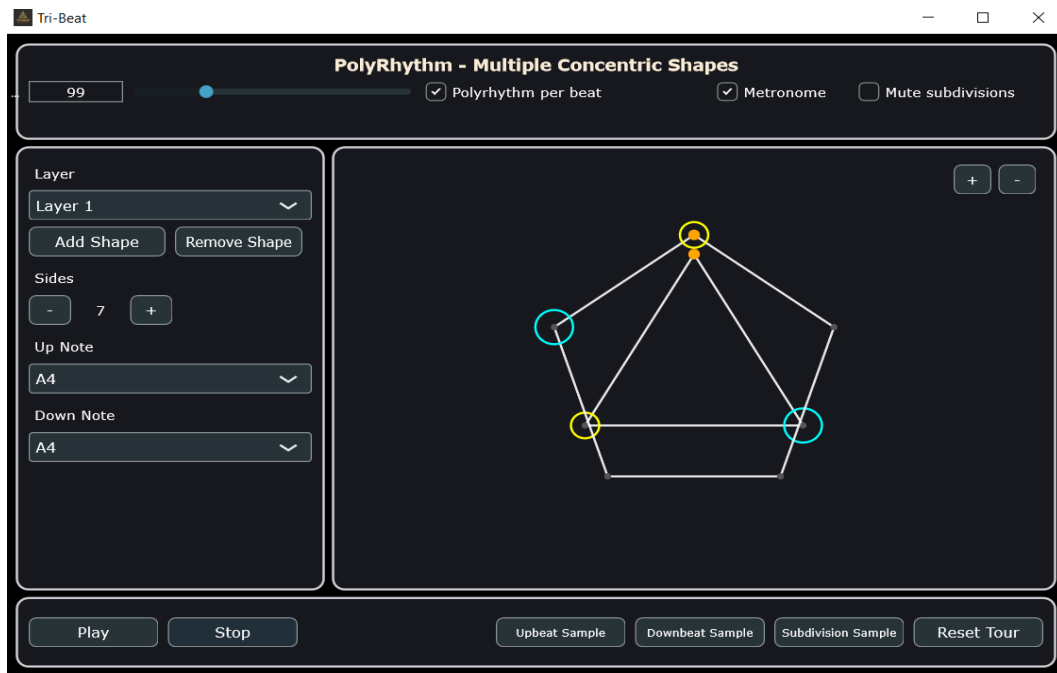


■ Tri-Beat User Manual

1. Introduction

Welcome to **Tri-Beat**, a rhythmic pattern generator that allows you to explore **polyrhythms** and **polymeters** using multiple concentric polygonal shapes. This manual will guide you through every feature of the application step by step.

2. Application Overview



The interface is divided into four main sections:

- **Top Panel** → Tempo, Rhythm Mode, and Global Controls
- **Left Panel** → Shape and Layer Controls
- **Center Panel** → Shape Visualizer
- **Bottom Panel** → Transport & Sample Loaders

3. Features & Controls

■ Top Panel: Tempo & Global Options

- **BPM Slider** → Adjusts the tempo (30–300 BPM).
- **Polyrhythm Toggle** → Switch between Polyrhythm and Polymeter modes.
- **Metronome Toggle** → Enables or disables the metronome.
- **Mute Subdivisions Toggle** → Mutes inner subdivisions, leaving only upbeats/downbeats audible.

■ Left Panel: Shape & Layer Controls

- **Layer Dropdown** → Switch between layers (shapes).
- **Add Shape / Remove Shape** → Manage layers dynamically.
- **Sides Control (+ / -)** → Increase or decrease polygon sides (3–16).
- **Up Note Selector** → Assign pitch for the upbeat accent.

- **Down Note Selector** → Assign pitch for the downbeat accent.

■ Center Panel: Shape Visualizer

- Displays the **active polygonal shape**.
- **Vertices** = Subdivision points.
- **Yellow Circle** = Upbeat note.
- **Cyan Circle** = Downbeat note.
- **Orange Dot** = Current playback position.
- **Zoom In/Out (+ / -)** → Adjust shape size.

■ Bottom Panel: Transport & Samples

- **Play / Stop Buttons** → Start or stop playback.
- **Sample Loaders** → Assign custom sounds:
 - Upbeat Sample
 - Downbeat Sample
 - Subdivision Sample
- **Reset Tour Button** → Reopens the onboarding tutorial.

4. Onboarding Tutorial

- On first launch, a **Quick Tour** appears automatically.
- It explains the UI step by step.
- Options:
 - Next / Skip → Continue or skip the tour.
 - Don't show again → Disable future auto-launch.
- You can reopen anytime via the **Reset Tour button** (bottom-right) or pressing **F1**.

5. Workflow Example

1. Set tempo with BPM slider.
2. Add a new layer with Add Shape.
3. Increase sides (+) to create complex subdivisions.
4. Assign Up Note and Down Note pitches.
5. Press Play to hear your rhythm evolve.
6. Load custom samples for Upbeat, Downbeat, Subdivision sounds.
7. Use Zoom controls to focus on details.

6. Credits

Tri-Beat Application

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