

AbleLOM 2 – User Manual

Introduction

AbleLOM 2 is a Max for Live device that provides an interactive graphical environment for exploring the Live Object Model (LOM) directly within Ableton Live. This tool allows users to navigate through Live's object hierarchy, view parent-child relationships, examine properties and functions, and retrieve paths required for the `live.path` object in Max for Live (M4L).

Important Notice

This version of AbleLOM 2 is for educational purposes only.

- Modification, sharing, or selling is strictly prohibited.
- Please read the EULA before using this device.

Features

Live Object Model Exploration

- Lists multiple Live object classes along with parent-child relationships.
- Displays available properties and functions of each object.
- Provides the exact path required for `live.path` in Max for Live.

What's New in AbleLOM 2

1. Complete Patch Rebuild

The entire device has been redesigned from scratch to enhance stability and performance.

2. Exclusive "Observe" Mode

This mode enables real-time updates of the displayed child elements, properties, and functions:

- Any changes in Ableton Live (e.g., tempo, track name, color modifications) will be instantly reflected in the main results window.
- Three refresh speeds are available:
 - Slow
 - Mid
 - Fast
- By default, this feature is turned off.

3. Direct Navigation

- Clickable text elements enable instant browsing.
- A dropdown menu allows quick selection of child objects.

4. Integrated Text Editor

- Clicking on a text element opens it in a separate text editor window.
- Useful for handling long text snippets.
- Enables copy-pasting sections of text easily.

5. Quick Access to Live Object Model Documentation

- Press Ctrl / Cmd + Click on any text in the main window to open the official Ableton LOM documentation in a separate browser.

6. Enhanced Help & Warning System

- Red help tab provides contextual guidance.
- Warning messages appear to prevent misconfigurations.

7. Improved Navigation with "Canonical Parent"

- The `canonical_parent` function allows backward browsing in the object hierarchy.
- Appears in green for easy identification.

8. Object ID & Name Display

- Displays object names relative to their IDs (when available).

9. User Interface Customization

- Customizable background colors.
- Text alignment options to improve readability.
- Compact mode to reduce device footprint.
- "Always on top" option to keep the window visible.
- CPU usage monitoring.
- Current time display.

10. Integrated Help System

- Click the orange ? button to view detailed instructions on how to use AbleLOM 2.

System Requirements

- Ableton Live 11 or 12
- Max for Live 8.5.6 or higher (included in Live Suite versions)
- Compatible with Windows and macOS

Installation & Setup

1. Ensure you have Ableton Live and Max for Live installed.
2. Drag AbleLOM 2.amxd into a MIDI or Audio track in Ableton Live.
3. Open the device interface to start exploring the Live Object Model.

How to Use AbleLOM 2

Basic Navigation

- Click on any text to navigate through parent-child relationships.
- Use the dropdown menu to select child elements.
- Check the main results window for object properties and functions.

Observe Mode

- Toggle Observe Mode in the settings panel.
- Select the refresh speed (Slow / Mid / Fast) depending on your workflow.

Copying Text Data

- Click a text element to open it in the Text Editor.
- Copy/paste parts or the entire text for external use.

Accessing LOM Documentation

- Press Ctrl / Cmd + Click on any text to open the official LOM Documentation in a browser.

Troubleshooting & FAQ

1. AbleLOM 2 is not detecting objects in my Live set

- Ensure you have Max for Live 8.5.6 or higher installed.
- Make sure AbleLOM 2 is placed on an active track.
- Restart Ableton Live and try again.

2. Observe Mode is not updating values in real-time

- Check if Observe Mode is enabled.
- Try increasing the refresh speed to Mid or Fast.
- If the issue persists, restart the device.

3. The device window is too large / too small

- Use the resize options in the settings panel.
- Enable Compact Mode for a smaller footprint.

4. How do I reset settings?

- Restart AbleLOM 2 or reload it from the Max for Live browser.

Legal Disclaimer

AbleLOM 2 is provided for educational purposes only. Redistribution, modification, or commercial use is strictly prohibited. Please refer to the End User License Agreement (EULA) before use.

Conclusion

AbleLOM 2 is an indispensable tool for Max for Live developers and advanced Ableton Live users, providing a structured and visual way to explore the Live Object Model. Whether you're debugging devices, learning about Live's API, or building complex M4L patches, AbleLOM 2 offers an intuitive and powerful interface for deep exploration.

🔧 Happy patching with AbleLOM 2 and the Live Object Model! 🔧