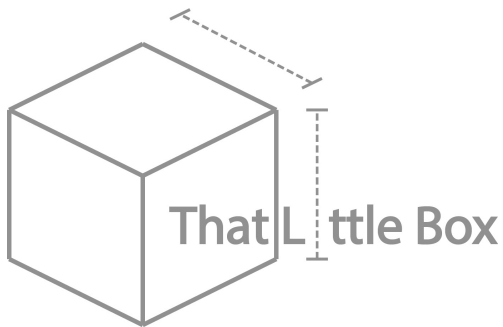




GloveBox

USER GUIDE

GloveBox is a compact show-timing application for live entertainment. It combines a wall clock, stopwatch and event log so starts, stops, resets, manual markers and external cue events can be recorded with both real-world clock time and elapsed show time. QLab and ETC Eos cue logging, CSV export and email distribution are built in.



MAIN CONTROLS

START Start the stopwatch. After Stop, Start resumes and logs Resume.

MARK Add the next manual marker at the current time.

CLEAR Start a new show by clearing the log, timer totals and manual marker numbering.

STOP Pause the stopwatch and log Stop.

RESET Stop and zero the visible stopwatch. Event history and cumulative playing time remain.

EXPORT CSV Save the event log, prepare it as an email, or do both.

LOCAL OPERATION

- Space: Start/Resume when stopped; add a manual marker when the timer is running.
- Escape: Stop the timer when running.
- Backspace: delete the selected event row.
- Double-click an Event name to rename it. Renaming does not alter its hidden marker or cue identity.
- Deleting a manual marker releases its number so that number can be used again.
- Local Clear asks for confirmation. OSC /clear clears immediately.

EVENT LOG & SOURCES

The event table records Event, Clock Time, Timer Time and Source. Cue/marker sources are shown as text and colour so they remain identifiable in screenshots and CSV exports.

MANUAL	OSC	QLAB	EOS
Local Mark / Space	Incoming /mark	QLab GO cue	Eos cue fire

CSV EXPORT & EMAIL

- CSV files contain Event, Clock Time, Timer Time and Source, followed by Total Running Time and Total Playing Time.
- Total Running Time is the wall-clock duration from the first Start event to the final logged event, including intervals and stopped periods.
- Total Playing Time is the cumulative time for which the stopwatch was actually running. Reset only zeros the visible stopwatch; Clear resets the whole show.
- EXPORT CSV offers SAVE, EMAIL or BOTH. Email recipients are taken from the distribution list in Preferences.
- EMAIL opens a prepared message in Apple Mail with the CSV attached. GloveBox never sends the message automatically; review it and press Send in Mail.
- On first use macOS may ask for permission for GloveBox to control Mail.

PREFERENCES

Preferences is a small modeless window, so the main GloveBox window remains usable while it is open.

Cue Logging	Optionally log QLab/Eos cues only while the timer is running.
QLab	Enable QLab, set the QLab computer IPv4 address and OSC port.
ETC Eos	Enable Eos, set the Eos session-host IPv4 address and optionally include the cue-list number.
Email Distribution	Enter one recipient address per line. Duplicate addresses are removed automatically.

OSC CONTROL

GloveBox receives UDP OSC on all local IPv4 interfaces. The default receive port is 53001 and can be changed in the Control section. OSC ARMED enables or disables processing of all incoming OSC, including QLab and Eos cue messages.

OSC	ARGUMENT	ACTION
/start	none	Start if stopped. After a Stop, logs Resume.
/stop	none	Pause the stopwatch and log Stop.
/reset	none	Stop and zero the visible stopwatch; log Reset. Cumulative playing time remains.
/clear	none	Immediately clear the current show, totals and manual marker numbering.
/mark	none	Create the next available manual-style marker number; Source is OSC.
/mark	integer	Request a marker number. If already used, the next free number above it is selected.
/mark	string	Create a named OSC marker while still consuming a hidden manual marker number.
/mark	integer + string	Set both requested marker number and display name.

QLAB CUE LOGGING

- In GloveBox Preferences, enable QLab and enter the IPv4 address of the QLab computer and its OSC port (normally 53000).
- In QLab: File > Workspace Settings > Network > OSC Access. Allow OSC connections and give No Passcode clients View access.
- GloveBox automatically subscribes to QLab GO cue-number broadcasts and maintains the subscription while QLab is enabled.
- Only operator GO events are logged. The QLab cue number is used as the Event text and the Source column shows QLAB.
- QLab cue IDs are kept as text, so values such as 1.5 or A.1 are preserved and do not consume GloveBox manual marker numbers.

ETC EOS CUE LOGGING

- In GloveBox Preferences, enable Eos and enter the IPv4 address of the Eos session host.
- On Eos: Setup > System > Show Control > OSC. Enable OSC TX, set the TX IP to the GloveBox computer and set the TX port to GloveBox's receive port.
- Enable UDP Strings & OSC for the active network interface in Eos/ECU.
- GloveBox logs native Eos cue FIRE events. Cue stop/resume events are ignored.
- The cue number is used as the Event text and Source shows EOS. Enable Include cue list to display identifiers such as 1/23.5.

STATUS & NETWORK NOTES

- The Control section shows OSC listening/disarmed state, recognised packet count and last recognised packet time. Cue Inputs status shows QLAB, EOS WAITING/EOS and the last cue received.
- QLab and Eos automatic cues are accepted only from the IPv4 address configured for that integration. Generic GloveBox OSC controls remain available from other senders.
- GloveBox uses a single long-lived OSC receive thread with watchdog recovery. UDP itself does not guarantee packet delivery, so use a reliable local show network and prevent the computer from sleeping during a performance.