OWNER'S MANUAL

Congratulations on purchasing **OZ™** by *Molten Voltage*

OZ™ is a stand-alone MIDI controller for the Strymon TimeLine Delay's LOOPER mode, which unlocks TimeLine's MIDI-only LOOPER features including Undo, Redo, Half-Speed and Reverse. **OZ** also allows soft-switch, single-touch record/playback, external LOOP LEVEL control, and automatic DRY LOOPER recording.

Key Features

- Transforms the **Strymon TimeLine Delay** into a full-featured, high-fidelity, state-of-the-art LOOPER

- Unlocks the hidden potential of the Strymon TimeLine delay by accessing its *MIDI-only* **LOOPER features**:

- **REVERSE** loop direction instantly

- **HALF-SPEED** playback and recording with LED Speed indicator. TIP: record at half-speed to create double-speed playback!

- **UNDO** back to initial loop

- **REDO** overdubs (after pressing UNDO)

- Single-press, soft-touch recording and playback - Press and Hold the **REC/PLAY** Button while recording and the loop automatically enters Play Mode on release, making loop timing far easier and more accurate than pressing a second button

- **DRY** Switch automates the use of TimeLine's LOOPER mode without any Delay Effect by setting the MIX to zero (guitar only) upon Record

- **LOOP LEVEL** control - adjust in real-time, or set it and forget it (auto-adjust on Record)

- **MIDI IN** merges and actively filters incoming MIDI data for optimal TimeLine synchronization and performance

- One-cable **MIDI OUT** connection to the TimeLine - *no mods required!*

- Staggered, **stair-step switch design** for easy access to rear switches

- Simple, intuitive user interface

- Optional side Record Jack for remote soft-touch footswitch operation

- Solid, Professional-Grade construction, including Riveted Steel MIDI Jacks

CONNECTING

Plug in a *separate or isolated* 9 volt, 2.1mm, 100mA minimum, *tip negative* DC Power supply into the DC9V jack (B). **Never power OZ using a "daisy chained" power supply that is also connected to audio effects.**

Connect OZ's MIDI OUT Jack (C) to the Strymon TimeLine's MIDI IN Jack using a standard 5-pin MIDI Cable.

CONTROLS
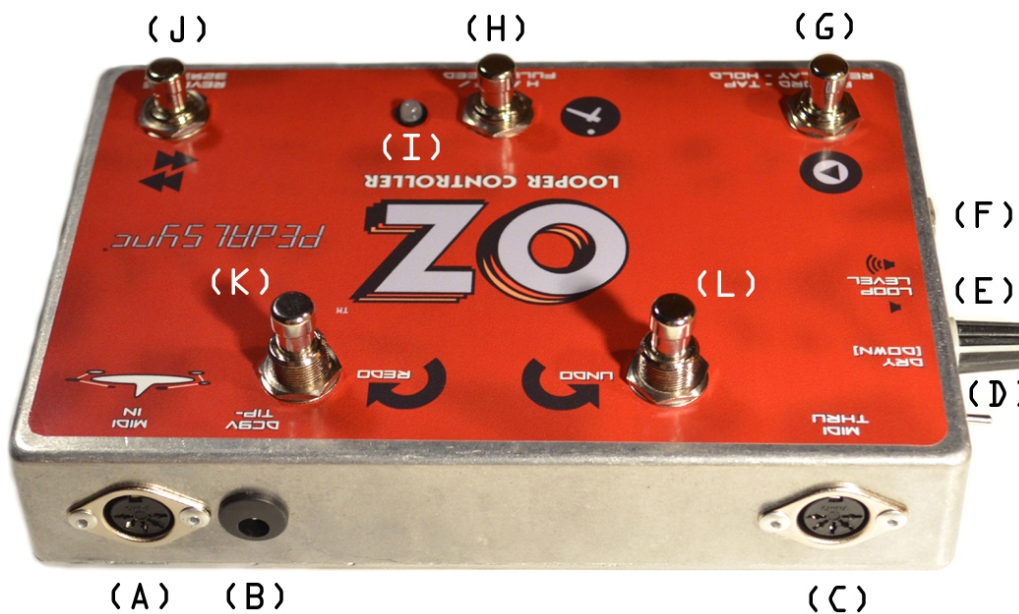
(A) MIDI IN Jack

(B) DC Power Jack

(C) MIDI OUT Jack

(D) DRY Switch

(E) LOOP LEVEL Control

(F) Remote Footswitch RECORD Jack (optional)

(G) RECORD/PLAY Button

(H) HALF/FULL SPEED Button

(I) SPEED LED

(J) REVERSE Button

(K) REDO Button

(L) UNDO Button

 RECORD/PLAY

Pressed quickly (tapped), the RECORD/PLAY Button works just like the TimeLine's "REC/DUB" Button. If the RECORD/PLAY Button is held for at least 0.5 seconds, TimeLine will enter Play Mode when the Button is released.

Single, soft-touch recording simplifies loop creation while enhancing loop timing accuracy.

TAP Functions:

An initial tap of the RECORD/PLAY Button puts TimeLine into Record Mode (TimeLine *A* LED turns red).

If TimeLine is already in Record Mode, a second tap starts the loop playing in Overdub Mode (TimeLine *A* LED turns orange).

A tap during Overdub Mode turns off Overdub Mode (TimeLine *A* LED turns off), but keeps the loop playing.

A tap during Playback Mode turns on Overdub Mode (TimeLine *A* LED turns orange)

HOLD Functions:

If no loop is playing and the RECORD/PLAY Button is pressed and held longer than 0.5 seconds, TimeLine will record, then play the loop on release *without* going into Overdub Mode.

If a loop is already playing, and the RECORD/PLAY Button is held longer than 0.5 seconds, TimeLine goes into Overdub Mode *and resets the loop on release.*

If TimeLine is in Overdub Mode and the RECORD/PLAY Button is held longer than 0.5 seconds, TimeLine turns off Overdub Mode and resets the loop when released. This is not recommended. For timing purposes, it is generally better to tap to turn off Overdub Mode so the loop does not reset.

TIP: Molten Voltage prefers to Hold when making the initial loop, but Tap for overdubbing

HALF/FULL SPEED

Pressing the HALF/FULL SPEED Button (H) toggles between HALF and FULL SPEED recording and playback.

If the last command was for Half-Speed, the LED is Red. If the last command was for Full-Speed, the LED is Green.

TIP: Switch to half-speed before recording, then back to full speed for playback to create double time playback! Les Paul used this technique in his most popular recordings.

REVERSE

Pressing the REVERSE Button (J) reverses the playback of the loop. This control can be used during recording and playback, as well as when the loop is stopped.

TIP: Overdub while reversed using long sustained notes, then reverse again to play the original loop forward with the violin-like tones.

UNDO   **REDO**

Pressing the UNDO Button (L) removes all overdubs so that only the initial recorded loop is playing. This is true even if multiple overdubs have been recorded. Note that a loop must be playing for the Undo function to work.

Pressing the REDO Button (K) adds back in all overdubs.

Note that new overdubs recorded after pressing UNDO erase all prior overdubs.

SIDE CONTROLS

DRY Switch

The DRY Switch automatically turns TimeLine into a clean LOOPER, without any Delay Effect.

With the DRY Switch (D) in the DOWN position, TimeLine's Mix level is automatically set to zero (full guitar with no delay) when the RECORD/PLAY Button is pressed.

Note that the DRY Switch only works in one direction and will not restore the prior Mix Level. In that case, use TimeLine's Mix Control to set the Mix Level.

Because TimeLine stores the Mix Level as part of presets, selecting a new preset will restore the Mix Level.

> *TIP: With the DRY Switch on, use TimeLine's "REC/DUB" button to record the initial loop with delayed sound, then use OZ's RECORD/PLAY Button for clean overdubs.*

> *TIP: When not in LOOPER Mode, pressing OZ's RECORD/PLAY Button with the DRY Switch DOWN sets TimeLine's Mix Level to zero.*

🔊 LOOP LEVEL

Turning the LOOP LEVEL Control (E) adjusts the loop playback volume.

Loop Level can be adjusted in real-time, or "set it and forget it" so that it auto-adjusts when the RECORD/PLAY Button is pressed.

NOTE: As of August 2013, Strymon has changed the MIDI output range for the Loop Level. If you are using TimeLine Firmware Version 1.43 or later, you will need to change the output range as follows:

- If RECORD is held on power up, the LED will flash Green. When released, OZ's Loop Level Range will be set for Firmware *before* 1.43.

- If HALF/FULL SPEED is held on power up, the Red LED will flash. When released, OZ's Loop Level Range will be set for Firmware 1.43 *and later*.

Note that Loop Level affects all recorded overdubs and loops simultaneously.

RECORD Jack - *Optional*

OZ is available with an Optional RECORD Side-Jack (F) allowing connection of a "normally open" remote Record/Play Switch, such as the soft-pedal M-Audio SP-1. The remote switch functions exactly like the RECORD/PLAY Button (G).

MIDI INPUT

Connect OZ's MIDI IN Jack (A) to an external controller using a standard 5-pin MIDI cable.

MIDI OUT

Connect OZ's MIDI OUT Jack (C) to TimeLine's MIDI IN Jack using a standard 5-pin MIDI Cable.

MIDI Merge and Active Filtering

MIDI can only handle a limited amount of data without incurring errors. As such, OZ merges and actively filters non-essential incoming MIDI data for optimal TimeLine synchronization and performance.

Refer to the MIDI IMPLEMENTATION CHART, *below*, for more information.

Selecting MIDI Channel

The default MIDI Channel for both PedalSync OZ and the Strymon TimeLine is MIDI Channel 1. If you are using OZ as a stand-alone controller, there is no reason to change the MIDI channel.

However, Channel *15* is the default and primary PedalSync channel. As such, if you are using other PedalSync devices, changing the OZ and TimeLine MIDI Channels to 15 is recommended.

If UNDO is held on power up, the LED will flash Green. When released, OZ's MIDI Channel will be set to 1.

If REDO is held on power up, Red LED will flash, on release, MIDI Channel 15 will be used

Consult the TimeLine manual for simple instructions on how to change its MIDI Channel.

MIDI Phantom Power

OZ does not use MIDI Phantom Power.

MIDI IMPLEMENTATION CHART

Function	Filtered	Generated	Comment
Note On	O	X	
Note Off	O	X	
Aftertouch	O	X	
Control Change	X	Y	Generated per the Strymon TimeLine manual.
Program Change	X	X	
Channel Pressure	O	X	
Pitch Bend	O	X	
System Common	Y	X	All System Common messages filtered except Song Select.
System Exclusive	X	X	
System Realtime	Y	X	Only MIDI Start, Stop, Continue, and Clock passed through.

O = YES, X = NO, Y = See Comment

TROUBLESHOOTING

Problem	Solution
OZ will not turn on.	Plug in 9 volt DC, 2,1mm Tip <u>Negative</u> Power Supply.
Clicking or Noise	Use a *separate* or *isolated* Power Supply for OZ.
Loop Level is low or will not adjust properly	Change the Loop Level Range as described above in the LOOP LEVEL section.
TimeLine not receiving MIDI messages	Set OZ to the same MIDI Channel as TimeLine (*see above* regarding Selecting MIDI Channel).

General Guidelines

- Keep MIDI cables as short as possible. Long cables cause errors. If you need more length, consider using a MIDI repeater.

- If you are daisy chaining MIDI devices, the total MIDI cable length must be considered if any MIDI devices do not amplify the data signal.

Support

info@PedalSync.com

Related Products

- PedalSync MASTER CONTROL (MV-58 and MV-58B)

- PedalSync TEMPODE, the MIDI Clock Injector

- PedalSync MIDI Splitty - MIDI Pedalboard Repeater

  Many more available soon!

Warranty

Molten Voltage is proud of its products and warrants this unit for a period of two (2) years from the date of purchase to be free from defects in materials and workmanship under normal use and service, as long as the unit is used with an approved power supply, and consistent with these instructions.

Contact *Service@MoltenVoltage.com* regarding repairs. Any user repair attempts void the warranty. PROOF OF PURCHASE IS REQUIRED FOR WARRANTY REPAIRS.

PedalSync MIDI PedalBoard Devices

Sturdy
Scalable
Simple™

streamline your sound™

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