ZOOM L6max description  
(for screen reader users)

Place this mixer so that the side with many buttons, jacks and knobs faces up and the line of taller round knobs is in a row near you.

We will explain the parts of the L6max in the following order: the top, the right side and the bottom. The front, back and left sides of this device do not have any features.

# Top

We will explain in order from the left.

## At the very top left is the round POWER button. Press and hold this to turn the power on and off.

## To the right of the POWER button are four combo jacks. From the left, they are inputs for channels 1, 2, 3 and 4. The heads of screws protrude to the top left and bottom right of each of these combo jacks.

## Below these combo jacks are small round protrusions in a horizontal line. These are signal indicators. These light green for each channel when there is input. They light red when signals are clipping.

## Below these four signal indicators are rectangular buttons, three to the left and one to the right. We will explain them from the left.

## On the far left is the channel 1 Hi-Z button. Pressing this, lighting it, switches the input impedance of channel 1.

## To the right of this is the 48-volt button for channels 1 and 2. Press this, lighting it, to provide +48-volt phantom power to channels 1 and 2.

## To the right of this is the channel 2 Hi-Z button.

## Spaced a little further away to the right is the 48-volt button for channels 3 and 4.

## Below these 48-volt and Hi-Z buttons is another horizontal row of four rectangular buttons. From the left, they are the mute buttons for channels 1, 2, 3 and 4. Pressing these, lighting them, mutes those inputs.

## Below each of these four mute buttons is a round channel encoder knob. From the left, they are the knobs for channels 1, 2, 3 and 4. These knobs are used to adjust the gain, output send levels, EQ and panning for their channels. LED indicators around the knobs illuminate to show adjusted values.

## To the right of the channel 4 combo jack are a total of eight quarter-inch TS jacks arranged in two rows of four. Each vertical pair of TS jacks are inputs for the same channel. From the left, the pairs are inputs for channels 5, 6, 7 and 8. Each pair is a stereo channel with the L input above the R input.

## We will explain them in order.

## First, we will explain channels 5 and 6.

## Below the input jacks of each channel are small round switches that move sideways. These are pad switches. These set the amount of attenuation for the input signals. They do not attenuate the input signals when switched to the left. They attenuate them 20 dB when switched to the right.

## Below the pad switches are signal indicators.

## Below these are rectangular MONO buttons. Pressing these, lighting them, enables channels 5 and 6 to be used as dual mono inputs instead of stereo inputs.

## Below these are mute buttons.

## Below these are channel encoders.

## Next, we will explain channels 7 and 8.

## To use channel 7 or 8 for mono input, connect only the top input jack of the pair.

## Below the input jacks of each channel are pad switches.

## Below the channel 8 pad switch is a small rectangular label. This label shows that the L6max supports 32-bit float recording.

## Below the channel 7 pad switch and below and to the left of the rectangular label are signal indicators.

## Below these are rectangular USB buttons. The left is the USB 1/2 button and the right is the USB 3/4 button. Press these, lighting them, when using the L6max as an audio interface to input signals from the USB cable instead of the channel 7 and channel 8 TS jacks. When doing so, input from the channel 7 and channel 8 TS jacks will be muted.

## Below each USB button is a mute button.

## Below these are channel encoders.

## To the right of channel 8, ten rectangular buttons are aligned vertically. The button pressed changes the parameter adjusted by the channel encoders at the bottom of each channel. We will explain the functions of these buttons in order from the top.

### The topmost button is the HIGH EQ button, which enables adjusting high frequencies. The button below that is the frequency button, which enables adjusting the middle frequency of the middle EQ band. The next button is the MID EQ button, which enables adjusting middle frequencies. Below this is the LOW EQ button, which enables adjusting low frequencies.

### Below the LOW button is the AUX 1 button. Use this to adjust levels sent to the AUX SEND 1 output jack. Below this is the AUX 2 button. Use this to adjust levels sent to the AUX SEND 2 output jack. Below this is the effect (E F X) button. Use this to adjust levels sent to the internal effect. Below the effect button is the SUB-MIX button. Use this to adjust levels sent to the SUB-OUT jack.

## Below the SUB-MIX button is the PAN button. Use this to adjust left-right positions. Below this is the LEVEL button. Use this to adjust levels.

## Next, we will explain the features in the column to the right of these ten buttons starting at the top.

* From the top are the MIDI IN jack, the MIDI OUT jack and the USB Type-C port for data transmission. The MIDI IN and MIDI OUT jacks are eighth-inch TRS mini jacks. They can exchange MIDI signals with connected devices. Connect this USB port for data transmission to a smartphone, tablet or a computer to exchange files with the L6max and use it as an audio interface. Operation on USB bus power is also supported.
* Below the USB port for data transmission in a vertical line are four rectangular SOUND PAD buttons. The sound pads can be pressed to play the sounds assigned to them.
* Below these is the SOUND PAD knob. This adjusts the SOUND PAD level. It stops turning at the minimum and maximum.
* To the right of the MIDI IN and MIDI OUT jacks are two quarter-inch TRS jacks aligned vertically. The top one is the AUX SEND 1 output jack and the one below it is the AUX SEND 2 output jack.
* Below these is the rectangular TAP button. This button can be used to set the tempo by tapping and to turn AI Noise Reduction on and off. When the delay or echo internal effect is selected, this will blink green at the set tempo. When the internal AI Noise Reduction effect is selected, this will blink when it is off and stay lit when it is on.
* Below the left end of this button are six small round protrusions. These are indicators for the internal effects. The corresponding indicator lights for the selected internal effect. From the top, these indicators are for the AI Noise Reduction, Hall reverb, Room reverb, Spring reverb, Delay and Echo effects.
* Below these is the rectangular select (SEL) button. Use the select button to select the internal effect used. Pressing this button cycles through the internal effects in order.

## Below the select button is the effect return (EFX RTN) knob. This adjusts the amount of signal returned from this effect. It stops turning at the minimum and maximum.

## To the right of the AUX SEND output jacks are 2 more quarter-inch TRS jacks aligned vertically. The top one is the MASTER L output jack and the one below it is the MASTER R output jack.

## Below these is a vertical line of several small protrusions. These are the master level meters. These show the levels of signals output from the MASTER L/R output jacks in a range from minus 48 dB to 0 dB.

## Below the level meters is the compressor (COMP) button. Press this, lighting it, to use the compressor, which increases the sound pressure output from the MASTER output jacks while preventing clipping.

## Below the compressor button is the MASTER knob. This adjusts the levels of sounds output from the MASTER L/R jacks in a range from minus infinity to plus 20 dB. It stops turning at the minimum and maximum.

## To the right of the MASTER L/R output jacks is one standard quarter-inch stereo jack. This is the MONITOR output jack. The monitor output volume can be adjusted with the MONITOR knob, which is near you directly below this jack. It stops turning at the minimum and maximum.

## Four small rectangular buttons are immediately below the MONITOR output jack. These are SCENE buttons. The adjusted values of the L6max can be saved to a scene by pressing and holding its SCENE button for three seconds. The state saved by a scene button can be recalled by briefly pressing it.

## To the right of the MONITOR output jack is one more standard quarter-inch stereo jack. This is the SUB-OUT jack. The SUB-OUT volume can be adjusted with the SUB-OUT knob, which is near you directly below this jack. It stops turning at the minimum and maximum.

## A small round switch that moves vertically is immediately below the SUB-OUT jack. This is the SUB-OUT switch. This sets the output from the SUB-OUT jack: the same sound as the MASTER when switched up or the sound set using the SUB-MIX button when switched down.

## Below this Is a smooth rectangular area. This is the display.

## Below this is a horizontal row of four small rectangular buttons. These are function buttons. Use these to search forward and backward on the Home Screen and to make various settings on the Menu Screen.

## Three more rectangular buttons are below the function buttons. These buttons are related to recorder functions. We will explain them from the left.

## The left button is the play/stop button. Press this to start playback of a recorded file. Press it again to stop playback. This lights green during playback.

## The middle button is the record button. Press this to start recording. This lights red when recording.

## The right button is the BOUNCE button. Press this to use the bounce function.

# Right side

These features are arranged from back to front.

## First is a USB Type-C port for power. Connect a ZOOM AD-17 USB AC adapter with DC 5-volt output or a 5-volt portable battery to this USB Type-C port. The small round openings on both sides of the port are for screws. Closer to the front is the cover for the microSD card slot. A fingernail can be used with the slot at the top of the cover to open it from top to bottom. When inserting a microSD card, please orient the side with the terminals facing down so the edge with the indentations is facing forward. Insert it until it clicks into place. Press the card in again to eject it.

# Bottom

Please turn the unit over. We will explain the bottom from the far edge.

## There is a rubber foot at each of the left and right far corners. The round holes above and to the left of the left rubber foot and above and to the right or the right rubber foot are for screws.

## Below these two rubber feet are rectangular indentations. These openings are for connecting a Eurorack adapter (ERL-6).

## In the middle between these two indentations is another round screw hole.

* Directly toward you from this screw hole is the battery cover.

## This cover can be opened by pressing and lifting the two tabs at its near edge. This product uses 4 AA batteries. These batteries fit in two rows of two. Before inserting the batteries, pull the ribbon inside the battery compartment toward the far edge. Carefully place the batteries on top of the ribbon, aligning them so that their negative ends are facing the springs. For each pair of batteries, the positive end of one should touch the negative end of the other. Be careful not to let the ribbon get between batteries. When reattaching the battery cover, fold the ribbon down so that it will fit inside the battery compartment. Align and insert the four small tabs at the top edge of the cover into the indentations at the top edge of the battery compartment. Then, press it down until the bottom clicks into place.

## To the left of the battery cover is a rectangular label. Below this and to the right is a small narrow label.

## A round rubber foot is at each of the near left and right corners of the bottom.

* Below and to the left of the left rubber foot is another round screw hole. To the right of this are two long horizontal protrusions. To the right of this is another round screw hole followed by two more long horizontal protrusions and a final screw hole near the right edge.
* These long horizontal protrusions have openings. These openings are for attaching a Eurorack adapter (ERL-6).
* Including the two rectangular indentations below the rubber feet near the back edge and the four long horizontal protrusions near the front edge, there are six attachment places in total.

This completes this explanation of the L6max parts.

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