THE ART OF MANAGING

Lounge MAX

MIDI INTERFACE

User Manual

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LOUNGE MAX User Manual (firmware v1.0.0)

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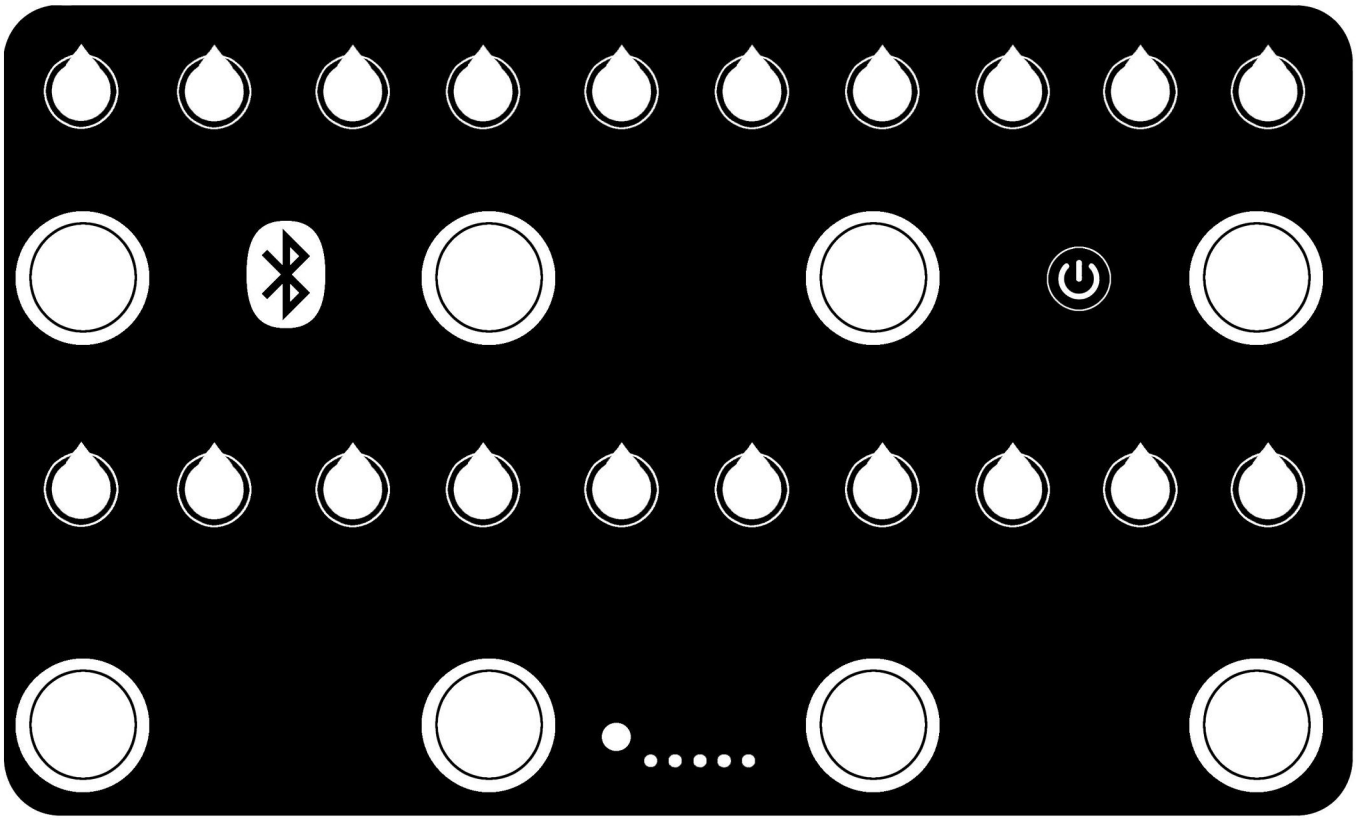
Introduction



Welcome to your LOUNGE MAX MIDI Controller. With this, you are able to control any device that accepts MIDI, regardless of brand or model. Each control on your controller can be programmed to perform any function you want.

If you have any questions that this manual cannot answer, please send us an email at devices.okrig@gmail.com
We are happy to help.

Power Requirements

You can power your LOUNGE MAX in any of the following ways.

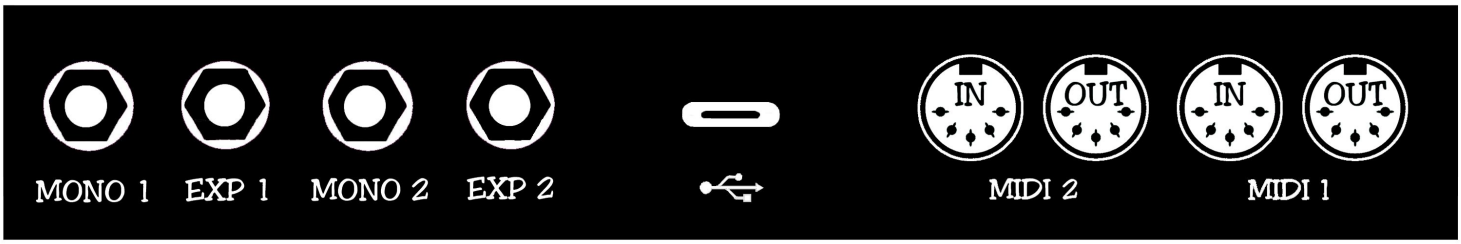
Internal Battery

Device has internal Li-Ion battery. To power on the device from internal battery, press power button.
To charge the battery, turn off the device and plug-in USB Type-C cable. Charging will stop automatically when batterry is fully charged.
Charging proceed if USB cable is connected and power button is not pressed.

USB Power

Connect a USB Type-C cable from your computer, mobile device, USB adaptor or power bank to the LOUNGE MAX. The LOUNGE MAX is capable of being powered fully by USB

Connections



EXP/MONO inputs

Connect your Volume or Expression pedals to input sockets, being able to send MIDI messages. Volume pedals, wich has mono(Tip-Stick, TS) 6.35 jack connectorcan be used with "MONO" inputs only. Expression pedals, wich has stereo(Tip-Ring-Stick, TRS) 6.35 jack connector, can be used with both "MONO" and "EXP" inputs. Saying that, Volume pedals cannot be used with "EXP" ports.

Please note that all these ports can be used as inputs only with Expression and Volume pedals.

⚠ Applying power to the inputs will damage your LOUNGE MAX controller.

USB Type-C Port

Send and receive MIDI via USB. This allows you to control your DAWs, plugins and other music software. Controller is an USB class compliant device and compatible with Windows, macOS, Android and iOS.

The LOUNGE MAX can receive any MIDI messages via USB and reforward them out through its 5-pin DIN MIDI Connectors or Bluetooth wirelessly.

ℹ The LOUNGE MAX is a USB device, and the USB-C port can be connected to a USB Host, or it can act as USB Host aswell, meaning able to power up other USB devices.

MIDI In Ports

Where the LOUNGE MAX receives MIDI messages from other MIDI devices.

The LOUNGE MAX can receive any MIDI type messages via its MIDI in port and re-forward them out through its MIDI outputs (other 5-pin MIDI, USB and Bluetooth).

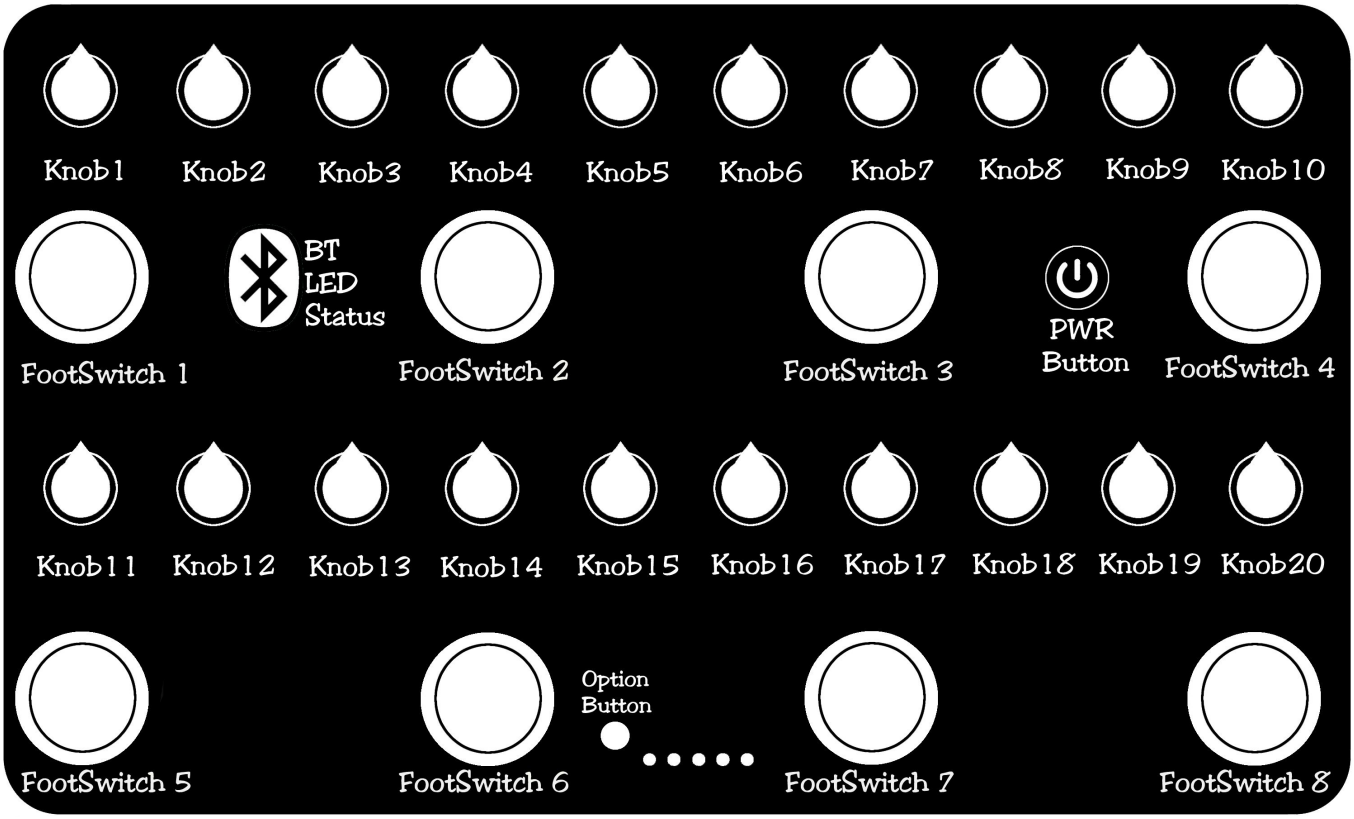
MIDI Out Ports

Where MIDI data is sent from the LOUNGE MAX to other devices.

Navigation

Front Panel

The LOUNGE MAX has 8 footswitches, from #1 to #8, 20 Knobs, #1 to #20, and 4 EXP/MONO inputs. Footswitch #8 is used to switch modes(internal banks), which indicated with it's own color. In different modes(banks), other 7 footswitches are send another MIDI messages. There are maximum 3 modes(banks) available.
Each footswitch on your controller can send any combination of up to 20 different MIDI messages of your choice. By default, all footswitches, inputs and knobs are programmed to send different MIDI CC (Control Change) messages, which are correspond to "undefined" by default MIDI CC List, with no stacking (1 message).
Every setting, MIDI messages and other can be set by the application called "Update Panel". It's up to you to decide what you want!



Footswitch LED's - Every footswitch has it's own LED, which indicates footswitch being pressed. You are able to set different messages on "LED on" and "LED off" actions. Device is able to receive MIDI messges, so if you receive same message, programmed to footswitch - LED will light up or light down.

PWR Button – Used to power controller from internal battery. Also has own LED, which fades in case device is working, and blinks if any MIDI data passthrough the whole interface.

⚠ Charging the device is only proceed while PWR Button is in "OFF" condition.

BT LED Status – Indicates bluetooth status of the device. Fades if in Bluetooth Low Energy mode, lights constantly in Bluetooth Classic mode, turned OFF if bluetooth switched off. Also blinks if any MIDI data passthrough Bluetooth interface.

Option Button – Used to activate battery level indicator and change Bluetooth modes. Short press - activate battery indicator / turn ON bluetooth in case it was turned OFF; long press (hold 5 seconds) - switch BT mode (Bluetooth Low Energy <=> Bluetooth Classic), press+press&hold - turn OFF bluetooth.

Set Up Menu

LOUNGE MAX has its internal settings for pedals calibration, preset switch, MIDI reforwarding and more. To access this settings, rotate Knob #20 from MIN to MAX position x5 times, and leave it in MAX position.

After that, pink LEDs will start light up one by one from first to last, which indicates you are in Set Up menu, page #1. FootSwitch 8 is used to go to the next page. To leave Set Up mode, rotate Knob #20 in MIN position.

MIDI Message Types

LOUNGE MAX inerface can send any type of MIDI messages you need.

From standard PC (Program Change) and CC (Control Change) messages to Note, Sys Ex, Realtime, Keystroke commands and many more – your controller has you covered.

Standard MIDI Messages:

- Note On
- Note Off
- Control Change
- Program Change
- Key Pressure
- Channel Pressure
- Pitch Bend

System MIDI Messages:

- MTC Quarter Frame
- Song Position Pointer
- Song Select
- Tune Request
- System Exclusive
- Real Time
- Timing Clock
- Start Song
- Continue Song
- Stop Song
- Now
- Active Sensing
- System Reset

FootSwitches, programmed to send Program Change messages, will activate LEDs in blinking state(not in ON/OFF as other messages).

Expression and Volume Pedals

Connecting an Expression or Volume Pedal

Before using an expression or volume pedal, check to make sure that the ports you are using is set to accept an expression or volume pedal. Volume pedal has 2 pin 1/4" connectors: Tip - Sleeve; Expression pedals has 3 pin 1/4" connectors: Tip - Ring - Sleeve. Expression pedals can be used with both "MONO" and "EXP" inputs, Volume pedals can be used with "MONO" inputs only.

Expression/Volume pedals fitted with 10k ohm linear potentiometers give the most accurate and smoothest response, though other resistance linear potentiometers will work too. The potentiometer wiper should be connected to the Tip of the stereo cable, while the Ring and Sleeve should be connected to the outer lugs on the potentiometer.

Calibrating your Expression and Volume Pedals

When connecting a new Expression/Volume pedal to "MONO" inputs, be sure to **calibrate** it first by going into the Set Up menu (rotate Knob #20 x5 times), page #1 as described earlier.

Calibrating MONO 1 input

Connect your Expression/Volume pedal to the input. First, put your expression/volume pedal into heel down(min) position. Press FootSwitch 1. All LEDs wil blink three times with red color, meaning minimum value is saved. Then, put your expression pedal into toe down(max) position. Press FootSwitch 2. All LEDs wil blink three times with red color, meaning maximum value is saved. Calibration is done.

Calibrating MONO 2 input

Connect your Expression/Volume pedal to the input. First, put your expression/volume pedal into heel down(min) position. Press FootSwitch 5. All LEDs wil blink three times with red color, meaning minimum value is saved. Then, put your expression pedal into toe down(max) position. Press FootSwitch 6. All LEDs wil blink three times with red color, meaning maximum value is saved. Calibration is done.

> Min and max values may be swapped by your choice while calibrated.

EXP Inputs

"EXP" inputs doesn't need to be calibrated, but you still can swap min and max values. To do that, go to Set Up menu, page #1, and toggle FootSwitch 3 for "EXP" 1 input, or FootSwitch 7 for "EXP" 2 input. All LEDs will blink x3 times with red color, meaning values are not swapped, and blink x3 times with blue color, meaning values are swapped.

Tap-Tempo Indication

Device has tap-tempo indication. Once Tap-Tempo is performed, LED #8 (by default) will start blink according to the set tempo. You can customize which footswitch and LED will act as tap-tempo in Update Panel App.

To disable Tap-Tempo indication, go into Set Up menu, page #1, and toggle FootSwitch 4. All LEDs will blink with red color, if tap-tempo indication is ON, and with blue color, if tap-tempo indication is OFF.

Presets

LOUNGE MAX controller has ability to switch between presets, uploaded by user. Store up to 7 different user presets on the device itself. By default, there are only one preset saved on the device.

Preset Select

First, save and upload your presets to the controller via Update Panel Application. After that, go to Set Up menu, page #2. Only one LED will blink with different colors, meaning № of current preset is active. Choose № of preset you want to apply, and press corresponding № of FootSwitch. For example, you have loaded preset №3 and want to activate it, just press FootSwitch 3. After that, all LEDs will blink with red color x3 times, meaning preset is present, and LED №3 will blink continuously with all colors now. That means preset is successfully applied and you are ready to go.

> If you choose an empty preset, which is not loaded to the controller, all LEDs will blink with blue color x3 times meaning the preset you want to choose is empty.

MIDI Re-forwarding(bidirecting)

Re-forward MIDI messages between all interfaces that LOUNGE MAX contains: Bluetooth, USB, 5-pin dyn legacy MIDI (MIDI 1, MIDI 2).

Lets say, you have MIDI synthesiser or any other MIDI device that has only 5-pin dyn inputs/outputs to send MIDI data, but you need to connect to other device host, that only has usb or bluetooth interfaces. LOUNGE MAX allows you to make that connection, transfer all MIDI messages from one interface to other.

Enabling Re-forwarding

To enable MIDI Re-forwarding, go to Set Up menu, page #3. On that page, every FootSwitch corresponds to specific MIDI re-forward, as shown below.

- **FootSwitch 1**: Bluetooth ↔ USB
- **FootSwitch 2**: Bluetooth ↔ MIDI 1
- **FootSwitch 3**: Bluetooth ↔ MIDI 2
- **FootSwitch 4**: USB ↔ MIDI 1
- **FootSwitch 5**: USB ↔ MIDI 2
- **FootSwitch 6**: MIDI 1 ↔ MIDI 2
- **FootSwitch 7**: disable all re-forwarding (restore default)

After you press a FootSwitch, all LEDs will blink x3 times with red or blue. Red color - means re-forward is enabled, blue color - means re-forward is disabled.

Disconnecting controller itself from interfaces

LOUNGE MAX may cut connections between itself and interfaces. Saying that, messages, generated by LOUNGE MAX controller itself (by footswitches, knobs and input sockets) won't be send to chosen interface.

To disconnect LOUNGE MAX from interface, go to Set Up menu, page #4.On that page, every FootSwitch corresponds to specific connection between controller itself and interface, as shown below.

- **FootSwitch 1:** Device ↔ Bluetooth
- **FootSwitch 2:** Device ↔ USB
- **FootSwitch 3:** Device ↔ MIDI 1
- **FootSwitch 4:** Device ↔ MIDI 2
- **FootSwitch 5:** Disconnect Device from all interfaces
- **FootSwitch 6:** Connect Device to all interfaces
- **FootSwitch 7:** -

After you press a FootSwitch, all LEDs will blink x3 times with red or blue. Red color - means connection is enabled, blue color - means connection is disabled.

> This options does not affect MIDI Re-forwarding settings. This only enables/disables controller generated messages being send to chosen interface.

Bluetooth

With Bluetooth onboard, LOUNGE MAX lets you establish wireless communications. There are two modes supported by Bluetooth module: Bluetooth Low Energy and Bluetooth Classic. Mostly, Bluetooth Classic is used with older devices, which are not compatible with Bluetooth Low Energy.
Bluetooth Classic mode can be used with desktop devices via HairlessMIDI application. For more information and usage, visit application page.

Switching Bluetooth modes

Option Button is used to toggle Bluetooth modes. Hold pressed Option Button for 5 seconds to toggle BLE/BT Classic modes. To turn OFF Bluetooth completely, press+press&hold Option Button for 5 seconds.

BT LED Indication

Bluetooth LEDs indication acts according to the next ways:

- **Blinking** - MIDI data messages are receiving or transmitting;
- **Fades** - Bluetooth Low Energy mode;
- **Dimly lit** - Bluetooth Classic mode, idle connection;
    - **Brightly lit** - Bluetooth Classic mode, active connection;
- **OFF** - Bluetooth is turned OFF.

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