

MIDI LOOP S10



Instruction Manual



Contents :

- **Introduction**
- **Warranty**
- **1 - Front Panel**
- **2 - Rear Panel**
- **3 - MIDI**

Introduction

Congratulations on buying your MIDI LOOP S10

Our effect loops guarantee:

- perfectly transparent sound
- ultra-clean sound thanks to using passive components
- signal to noise ration comparable to CD quality recordings (102dB)
- no dynamic loss
- full bandwidth
- silent, click-free switching, even in high gain level
- MIDI compatibility
- high grade low noise (**INPUT 1**) line buffer
- alternating or direct current operation

S10 is equipped with 10 effect loops,

S10 is controlled by MIDI CC (Control Change) commands over 16 MIDI channels.

S10 is compatible with any type of MIDI controller capable of sending CC commands, but to ensure proper operation and maximum effectiveness we recommend using **MLC MARK L** controllers.

The effects loop can be hooked up with:

- 10 mono effects (10 effects plugged in before the amplifier)
- 10 mono effects (10 effects plugged in the amplifier's FX LOOP)

By dividing the loop into two sections we can plug in:

- 10 mono effects (6 before the amplifier and 4 in the amplifier's FX LOOP)
- 4 stereo effects (4 left channels to loop 1-4 and 4 right channels to loop 7-10) achieving 4 **stereo** loops for 4 effects
- 10/6 or 4 **MUTE EFFECT** (in pair with a line mixer)

MIDI LOOP L10 Instruction Manual 4

In case this option is not used, receptacles **OUT1** and **IN2** are bridged inside the device. The same applies to receptacles **LINK OUT** and **IN1**.

The rear panel also features two **MIDI IN** receptacles used for processing the foot pedal signal and a **MIDI THRU OUT**, a bypass, thanks to which we can hook-up an additional midi device which we want to control with the same device as the L10

MIDI IN has built-in power supply for all **MARK L** controllers, you need not plug in every controller separately.

To change the channel (1-16) use the rotary dial on the rear panel.

Warranty

1. The Warranty is limited to production defects and/or faulty components.
 2. The Warranty expires 24 months after the date of purchase.
 3. The Warranty does not cover the following:
 - Defects caused by shipping and handling.
 - Defects caused by improper usage, product abuse, product neglect, usage not according to the manual or safety precautions.
 - Mechanical damage and defects caused by the former.
 - Defects and malfunctions caused by fire, flood, lightning strike or any other natural disaster, acts of war or social turbulence, corrosion, rust, staining, short circuits, wrong Voltage, wear or any other 'outside' element.
 - Service, improvements or modifications performed by someone other than the Manufacturer of the device.
 4. In cases not regulated by the above Warranty Terms and Conditions, appropriate Civil Code regulations apply.
-

MARK L Custom Guitar Electronics

MARK L CUSTOM GUITAR ELECTRONICS

Ul. Stokrotki 12

80-732

Gdansk

POLAND

Mobile tel . +(048)506150803

WEB : www.marklcustom.com

Email : info@marklcustom.com

1. Front Panel



The front panel consists of 11 LED diodes informing which loop (L1-L10) and a MIDI light which informs if the device is receiving MIDI signals.

To connect audio through a high grade line buffer, connect to the lockable JACK 6,3MM **AUDIO INPUT** receptacle.

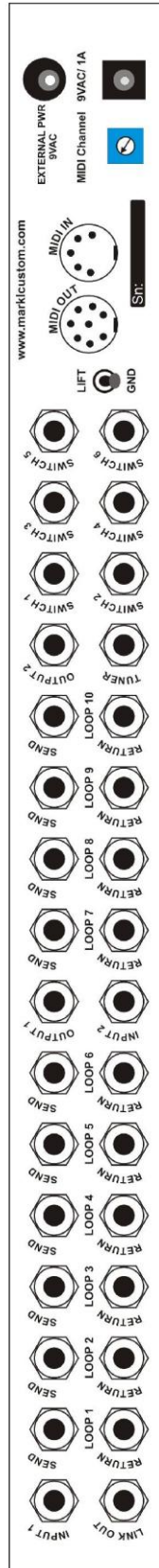
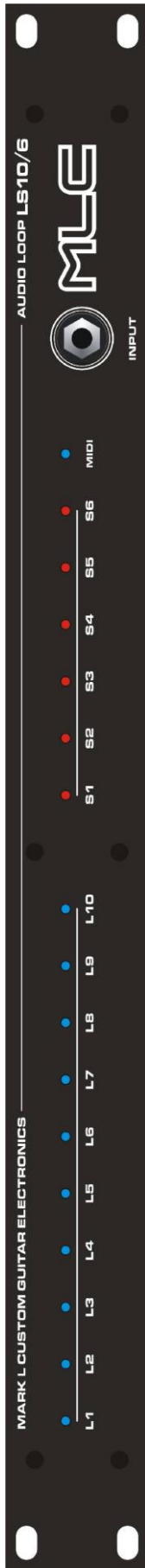
2.Rear Panel



The rear panel consists of 6,3 mm ‘jack’ receptacles used for connecting effects, audio signals and control the amplifier and other devices

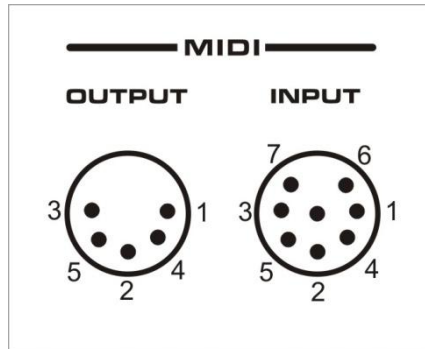
- **LINK OUT** -feed thru on front panel output
- **INPUT 1** -Effects loop 1-6 IN
- **OUTPUT 1** -Effects loop 1-6 OUT
- **INPUT 2** -Effect loop 7-10 IN
- **OUTPUT 2** -Effects loop 7-10 OUT
- **TUNER OUT** -transformer separated TUNER out socket
- **10 x Send** -used for connecting the effect’s IN socket
- **10 x Return** -used for connecting the effect’s OUT socket
- **GND/LIFT** switch used for separating ground from the housing killing the so-called ‘ground loops’
- **MIDI IN** used for Communications with a midi controller
- **MIDI OUT THRU** a MIDI bypass used for connecting and controlling (by a MIDI SIGNAL) an additional device
- **MIDI CHANNEL** switch used for switching channel from 1 to 16
- **POWER IN** Power supply socket for AC 9V/800mA
AC Plug 2,5mmx5,5mm
- **EXT POWER IN** for AC power converter 9VAC
AC Plug 2,5mmx5,5mm
- **PHANTOM POWER for FX25**

MIDI LOOP L10 Instruction Manual 8



3.Midi

MIDI CONNECTION and Phantom Power for FX25/FX25ACE



MIDI INPUT signal

Pin 1 - NC

Pin 2 - NC

Pin 3 - NC

Pin 4 - MIDI (+)

Pin 5 - MIDI (-)

Pin 6 - 9VAC phantom power out

Pin 7 - 9VAC phantom power out

MIDI OUTPUT

Pin 1 - NC

Pin 2 - NC

Pin 3 - NC

Pin 4 - MIDI (+)

Pin 5 - MIDI (-)

MIDI LOOP L10 Instruction Manual 10

The L10 is operated by MIDI CC (Control Change) commands over 16 channels. There are 128 MIDI CC commands used worldwide (CC0-CC127). Each command has a VALUE (0-127) in which “0” stands for OFF while “127” stands for ON.

MIDI CHANNEL is a dial used for changing MIDI channels from 1-16

- 0 - CHANNEL – 1**
- 1 - CHANNEL – 2**
- 2 - CHANNEL – 3**
- 3 - CHANNEL – 4**
- 4 - CHANNEL – 5**
- 5 - CHANNEL – 6**
- 6 - CHANNEL – 7**
- 7 - CHANNEL – 8**
- 8 - CHANNEL – 9**
- 9 - CHANNEL – 10**
- A - CHANNEL – 11**
- B - CHANNEL – 12**
- C - CHANNEL – 13**
- D - CHANNEL – 14**
- E - CHANNEL – 15**
- F - CHANNEL – 16**

To save a setting to a **MIDI program change**:

- Select a MIDI program number with your MIDI footswitch or controller.
- Manually select the desired state of each Audio Loop using the MLC L10's front panel buttons.
- Hold down the STORE button until the LEDs flash.

MIDI Control Change

Available, are a few factory commands used for activating the effects loop or switches in a various manner.

The below chart portrays the available factory combinations:

Commands used for the L10:

ON/OFF normal mono mode ON Value -127 , OFF Value -0

- L1 = Midi Control Change # CC-11**
- L2 = Midi Control Change # CC-12**
- L3 = Midi Control Change # CC-13**
- L4 = Midi Control Change # CC-14**
- L5 = Midi Control Change # CC-15**
- L6 = Midi Control Change # CC-16**
- L7 = Midi Control Change # CC-17**
- L8 = Midi Control Change # CC-18**
- L9 = Midi Control Change # CC-19**
- L10 = Midi Control Change # CC-20**