



Owner's Manual MR10 Loop System

INTRODUCTION

Congratulations on your purchase of the SKRYDSTRUP R&D MR10 Loop System.

The MR10 Loop System was designed to provide ultimate flexibility in signal routing, combined with the best audio performance possible.

The MR10 Loop System utilizes a unique unity-gain buffer circuit in every audio loop, designed by SKRYDSTRUP R&D, to maintain correct impedances throughout the entire system and to avoid the cross-loading affect between stomp boxes / effect units. Furthermore, each input/send/return/output features our unique RFI protection.

This manual will introduce you to the MR10 Loop System and its features. After reading this manual please keep it for future reference. We are confident that you very quickly will be familiar with the MR10 Loop System, and appreciate the versatility and high quality of this unit.

WARRANTY

- All parts and workmanship of this product are fully guaranteed to be free of defects under normal use and service, for a period of two (2) years from date of purchase.
- This warranty will remain in effect until the original expiration date.
- Any damage resulting from mis-use or failure to follow instructions and precautions as stated in this manual, will void this warranty. Altering this product in general, will void this warranty.
- Should this product require repair, SKRYDSTRUP R&D will assume responsibility for repair service. Re-pack the unit, along with a description of the problem, and send it to SKRYDSTRUP R&D.
- SKRYDSTRUP R&D reserves the right to make changes in design and/or improvements upon this product, without any obligation to include those changes in any products previously manufactured.

PRECAUTIONS

DO NOT attempt to service this unit. Doing so will void this warranty.

DO NOT remove the cover from this unit at any time. Doing so will void this warranty.

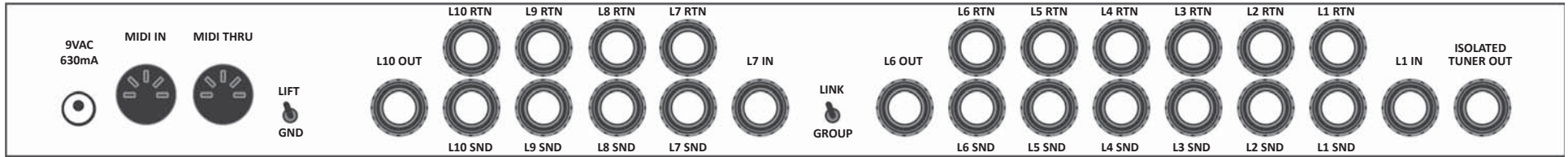
DO NOT plug the output from a Power Amplifier directly into any of the in- or outputs of this unit. Doing so may result in damage to the unit. This unit is designed to handle instrument and line level signals only.

DO NOT expose this unit to excessive heat. This unit is designed to operate between 0°C and 40°C.

DO NOT use this unit near water. Care should be taken so that objects do not fall and liquids are not spilled into the unit through any openings.

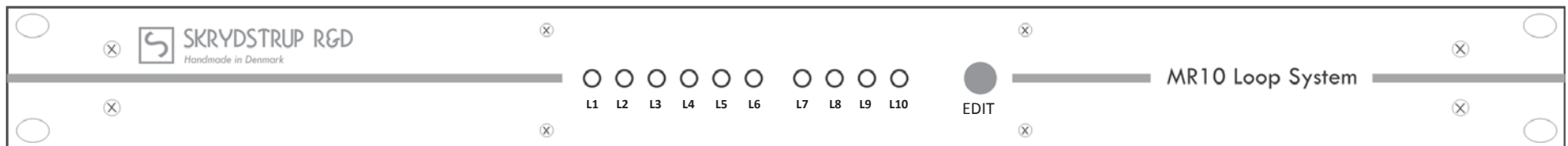
DO NOT use solvents such as benzine etc., to clean the exterior. Use a dry soft cloth to remove dust, dirt and finger marks.

REAR PANEL



- 9VAC:** 2.1mm DC barrel.
- MIDI IN:** Standard 5pin DIN connector.
The MIDI IN connector must be connected to the MIDI OUT connector of a transmitting MIDI device via a standard cable, in order for the loop system to respond to MIDI commands originating from these devices.
- MIDI THRU:** Standard 5pin DIN connector.
The MIDI THRU connector will forward the incoming MIDI data to any MIDI device.
- GND/LIFT:** Mini toggle switch. Set for minimum hum. When in LIFT position the audio ground is lifted from the chassis.
- LOOP 10 OUT:** 1/4" mono jack, which provide an output of the audio signal from Loop 1 - Loop 10, or Loop 6 - Loop 10, depending on how the LINK/GROUP mini switch is set.
- LOOP 7 IN:** 1/4" mono jack, that provide input to group 2. Only active when the mini toggle switch is set to GROUP.
This input utilizes our highly recognized high impedance input buffer.
- LINK/GROUP:** Mini toggle switch. When set to LINK the signal is routed through all 10 loops. Loop 6 OUT and Loop 7 IN is disabled.
When set to GROUP the MR10 is divided into two groups of loops.
Group 1 is loop 1 - loop 6, and group 2 is loop 7 - loop 10. Loop 6 OUT and Loop 7 IN is enabled.
- LOOP 6 OUT:** 1/4" mono jack, which provide an output of the audio signal from group 1. The output is only active when the mini toggle switch is set to GROUP.
When the mini toggle switch is set to LINK, the output is disabled.
- LOOP 1 IN:** 1/4" mono jack used to provide input to the MR10 Loop System. This input utilizes our highly recognized high impedance input buffer.
- TUNER OUT:** 1/4" mono jack. Provides a transformer isolated tuner output.
- LOOP RETURN:** 1/4" mono jacks that accept the output of any external device. The insertion of a plug will break the internal normalling to the SEND jack.
Each RETURN is fed to a unity gain line driver, which is only active when the loop is activated.
- LOOP SEND:** 1/4" mono jacks that are used to provide switchable outputs to any external device input.

FRONT PANEL



LED's indicating status of each loop. When lit the loop is active. ↑

↑ EDIT switch. Tactile switch for editing the MR10 Loop System.

MIDI CONTROL ASSIGNMENTS

HOW TO EDIT THE MIDI CHANNEL:

- Unplug the power from the MR10 Loop System.
- Press the EDIT button and hold it while connecting power to the unit.
- Press the EDIT button repeatedly until the desired MIDI channel is selected. Look at the MIDI channel diagram below.
- When the desired MIDI channel is selected, press the EDIT button for 2 seconds. The LED's will now blink to indicate that the programming is stored.

MIDI CONTROL CHANGE NUMBERS:

LOOP 1	is CC# 11	LOOP 6	is CC# 16
LOOP 2	is CC# 12	LOOP 7	is CC# 17
LOOP 3	is CC# 13	LOOP 8	is CC# 18
LOOP 4	is CC# 14	LOOP 9	is CC# 19
LOOP 5	is CC# 15	LOOP 10	is CC# 20

The MIDI controller numbers can be changed by software revision.
Contact SKRYDSTRUP R&D for details.

MIDI PROGRAM CHANGE:

Select a preset on your MIDI Foot Controller, or MIDI controlling device.

By pressing the EDIT button, you can now scroll through Loop 1 - 10. Press the EDIT button once and the LED of Loop 1 will start flashing.

If you wish to activate the loop, hold the EDIT button for 2 seconds. The LED's will flash three times to indicate that the selection has been stored.

Repeat the procedure if additional loops should be activated or deactivated within the selected preset.

MIDI CHANNEL DIAGRAM:

MIDI CHANNEL	LED L1	LED L2	LED L3	LED L4
1	○	○	○	○
2	●	○	○	○
3	○	●	○	○
4	●	●	○	○
5	○	○	●	○
6	●	○	●	○
7	○	●	●	○
8	●	●	●	○
9	○	○	○	●
10	●	○	○	●
11	○	●	○	●
12	●	●	○	●
13	○	○	●	●
14	●	○	●	●
15	○	●	●	●
16	●	●	●	●

TECHNICAL SPECIFICATIONS:

Power requirements: 9VAC 650mA

Dimensions: 482mm x 44mm x 200mm (WxHxD)
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Input impedance Loop 1: 1 Mohm
Input Impedance Loop 7: 1 Mohm

Output impedance Loop 6: < 100 ohm
Output impedance Loop 10: < 100 ohm

Output impedance SEND: < 100 ohm
Input impedance RETURN: 50 kohm

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