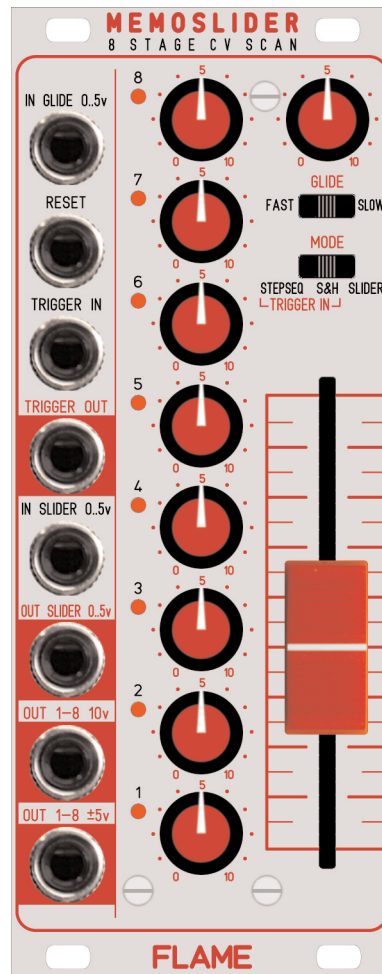


FLAME

MEMOSLIDER EURO MODUL



MANUAL

Version 1.00

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1. Short description

The Flame "MEMOSLIDER" module is a small programmable analogue slider module, designed for small mobile euro racks.

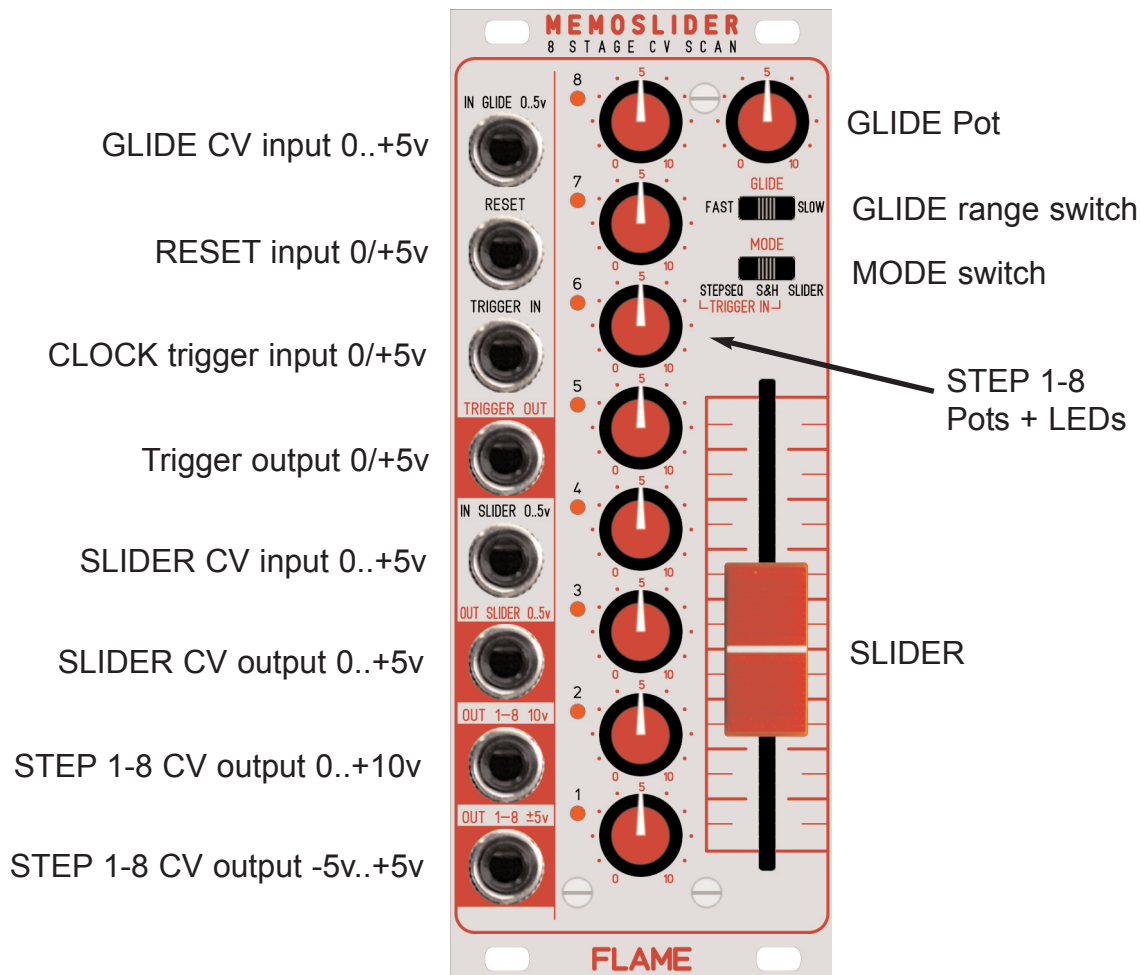
MemoSlider is a modulation sequencer with eight stages. Users can switch between steps via the module's fader or the CV input. Depending on the mode of operation chosen, it is possible to do so freely or synchronized to an external clock signal.

Additionally, there are trigger and reset connectors for working with the sequencer in a traditional fashion. In this case, the slider can be utilized to alter the playback direction and the number of steps used. – A very cool feature for jam sessions.

The step values are adjustable via potentiometers. Two CV outputs emit voltages in the range of 0v to +10v and -5v to +5v. Glide options make it possible to create soft transitions between steps. While changing between values, the module generates trigger signals. Thanks to a corresponding CV output, the fader is also usable to control other modules.

2. Hardware / Connection

2.1. Modul overview

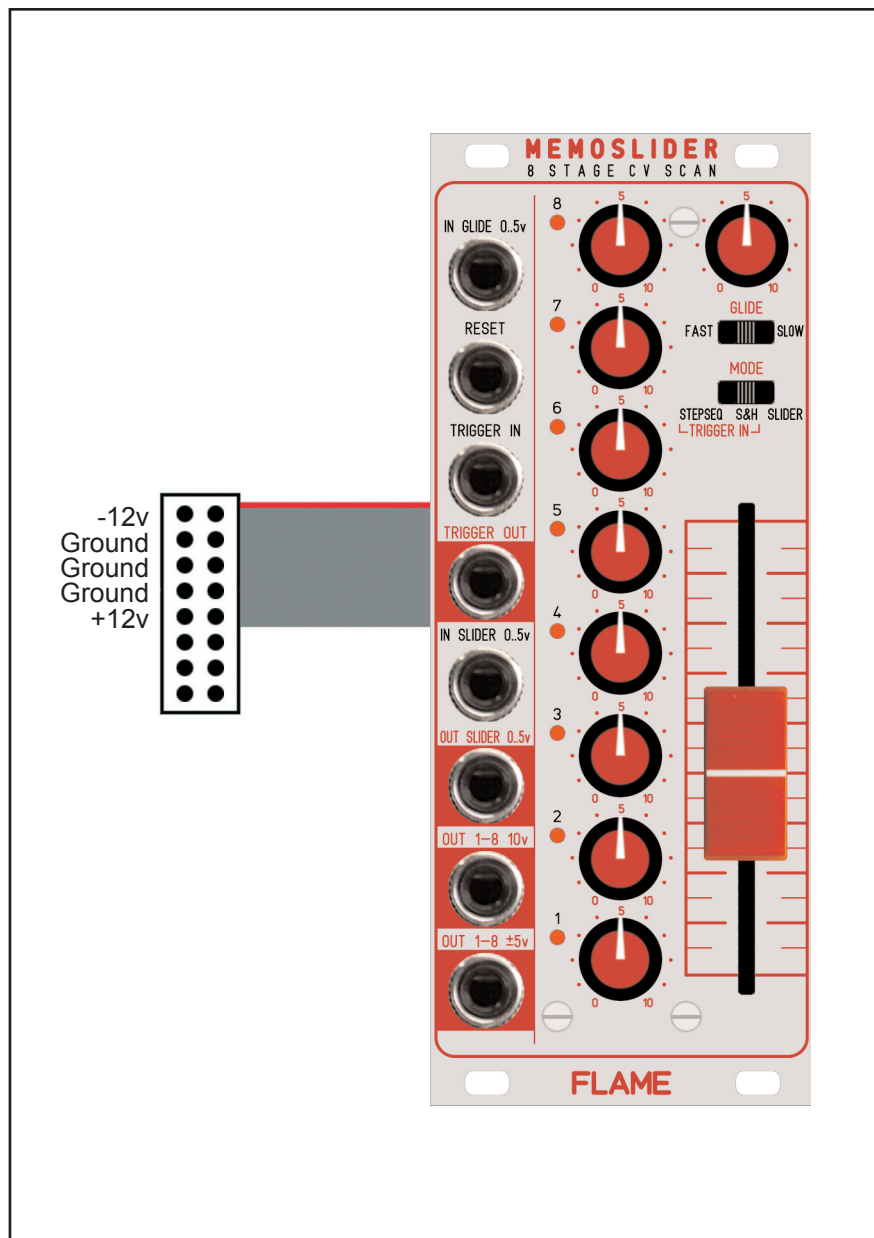


2.2. Connection to the modular system (Doepfer Bus)

The module is delivered with a connected ribbon cable for the Doepfer bus. The red lead marks -12 volt. Connecting the module please note the right polarity!

If the module is poled accidentally wrong safety diodes avoid the immediate destruction of the module but further damages cannot be expected.

So please pay attention: Check the connection various times before switching on!



3. Play Modi

3.1. Mode SLIDER

Use this mode SLIDER for manually selection of one of the eight steps. While changing between values, the module generates trigger signals.

The step values are adjustable via potentiometers. Two CV outputs emit voltages in the range of 0v to +10v and -5v to +5v.

Glide options make it possible to create soft transitions between steps.

3.2. Mode S&H (Sample & Hold)

Use this mode S&H for synchronized selection of one of the eight steps. Select one of the eight stages manually with the slider oder via the slider CV input, while you receive a trigger/gate impuls on TRIGGER input.

While changing between values, the module generates trigger signals..

The step values are adjustable via potentiometers. Two CV outputs emit voltages in the range of 0v to +10v and -5v to +5v.

Glide options make it possible to create soft transitions between steps.

3.3. Mode STEPSEQUENCER

Use this mode like an analogue stepsequencer. There are trigger and reset connectors for working with the sequencer in a traditional fashion

The slider can be utilized to alter the playback direction and the number of steps used - this is a very cool feature for jam sessions.

Reset sequence (back to step 1) with RESET input.

While changing between values, the module generates trigger signals..

The step values are adjustable via potentiometers. Two CV outputs emit voltages in the range of 0v to +10v and -5v to +5v.

Glide options make it possible to create soft transitions between steps.

4. Parameter

4.1. GLIDE

Glide options make it possible to create soft transitions between steps.

There are three Glide ranges:

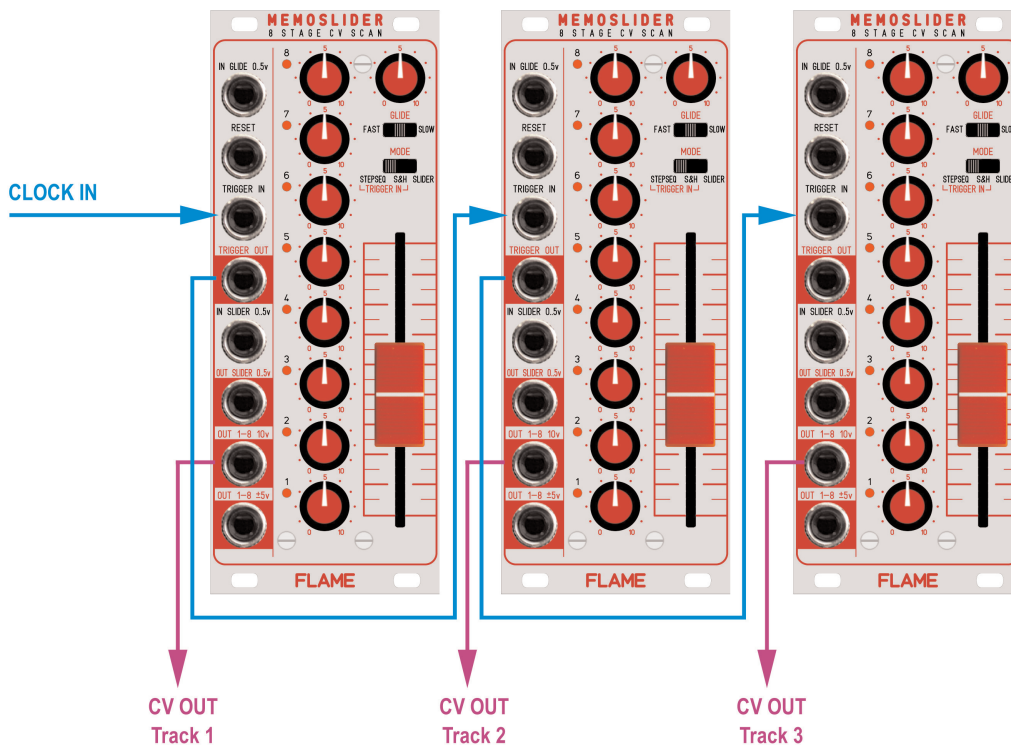
FAST: off .. few ms
MIDDLE: off .. ca. 0,5 sec
SLOW: off .. ca. 5 sec

Glide is just us available of booth CV-OUTs 1-8 (bipolar and unipolar output jacks).

If you use the GLIDE CV input, then the POT is an attenuator of the CV input.

4.2. PATCH EXAMPLE

SIMPLE 3-TRACK ANALOGUE STEPSEQUENCER



5. Appendix

5.1. Technical details

Connections:

Ribbon cable adapter	for Doepfer bus +/-12Volt
IN-GLIDE 0..5v:	Glide CV input
RESET:	Reset input MODE Stepsequencer
TRIGGER IN:	Trigger/Clock input MODE S&H and Stepsequencer
TRIGGER OUT:	Trigger output
IN-SLIDER 0..5v:	Slider CV input
OUT-SLIDER 0..5v:	Slider CV input
OUT 1-8 0..10v:	unipolar output of steps
OUT 1-8 +/-5v:	bipolar output of steps

Control elements:

8 Pots + LEDs STEP CV
1 Pot GLIDE
1 Slider

Current consumption: ca. + 40mA / - 5mA

Size: Euro rack format 3U / 10HP 50,5x128,5mm

5.2 Warrenty

Beginning from the date of purchase a 2-year warranty is guaranteed for this device in case of any manufacturing errors or other functional deficiencies during runtime. The warranty does not apply in case of:

- damage caused by misuse
- mechanical damage arising from careless treatment (dropping, vigorous shaking, mishandling, etc)
- damage caused by liquids penetrating the device
- heat damage caused by overexposure to sunlight or heating
- electric damage caused by improper connecting
(wrong power supply/ jacks/ MIDI connections/ voltage problems).

If you have any complaints please contact your dealer or send an e-mail to:
service@flame.fortschritt-musik.de

5.3 Terms of production

conformity: CE, RoHS, UL

5.4 Disposal

The device is produced with RoHS-conformity (subject to the regulations of the European Union) and is free of hazardous substances (like mercury, plumb, cadmium and hexavalent chrome). But electronical scrap is hazardous waste. Please don't add this to consumer waste. For an environment friendly disposal of waste please contact your distributor or specialist dealer.

5.5 Support

Updated and additional informations, updates, downloads and more see:
<http://flame.fortschritt-musik.de>

5.6 Acknowledgment

For help and assistance big thanks to:
Alex4 Berlin, Schneiders Büro Berlin, Robert Junge, Anne Metzler und Ebotronix.