

THRALL

USER MANUAL

Thank you for choosing THRALL.

THRALL lets you integrate a Moog DFAM into a MIDI environment in three different ways: synced to MIDI clock, sequenced like a drum machine, or played like a melodic synthesizer. THRALL also converts MIDI CC messages into analog signals. It also features an additional pair of clock and reset outputs.

The following pages describe its different modes and how to use them.



Outputs on 3.5 mm jacks

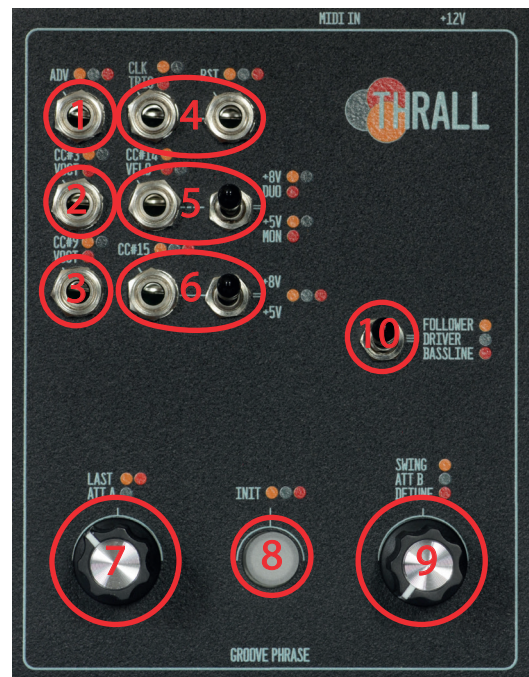
MIDI input on 5-pin DIN connector

+12 V DC power supply, minimum 150 mA, center-positive, 5.5 mm × 2.1 mm

FOLLOWER MODE

FOLLOWER mode lets you synchronize a DFAM to an external MIDI clock. Sequence length (2 to 8 steps) and swing settings are available. THRALL also features 4 MIDI CC converters (#3, #9, #14, #15), as well as a pair of clock/reset outputs.

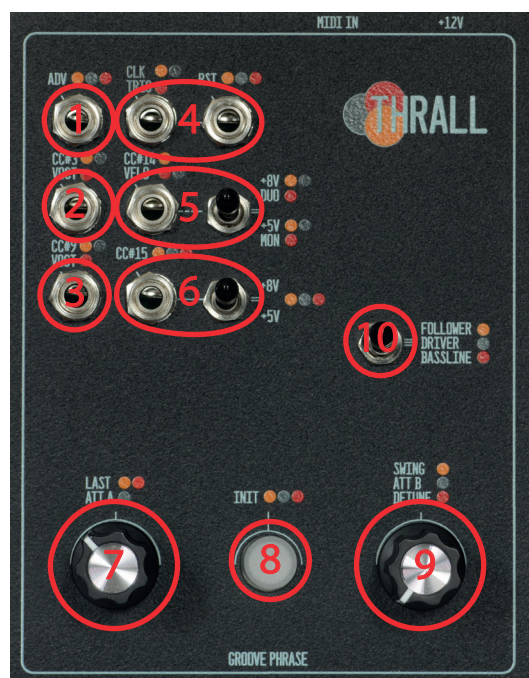
- 1: to ADV
- 2: MIDI CC#3
- 3: MIDI CC#9
- 4: clock & reset
- 5: MIDI CC #14 and 8/5 V selector
- 6: MIDI CC #15 and 8/5 V selector
- 7: sequence length
- 8: step 1 initialization: to initialize the position for Step 1, press and hold the INIT switch for 2 seconds
- 9: swing
- 10: mode selector in the upper position



DRIVER MODE

DRIVER mode lets you control a DFAM like a drum machine: 1 step = 1 note with its own velocity. 3 MIDI CC converters are also available (#3 with attenuator, #9 with attenuator, #15), as well as the pair of clock/reset outputs.

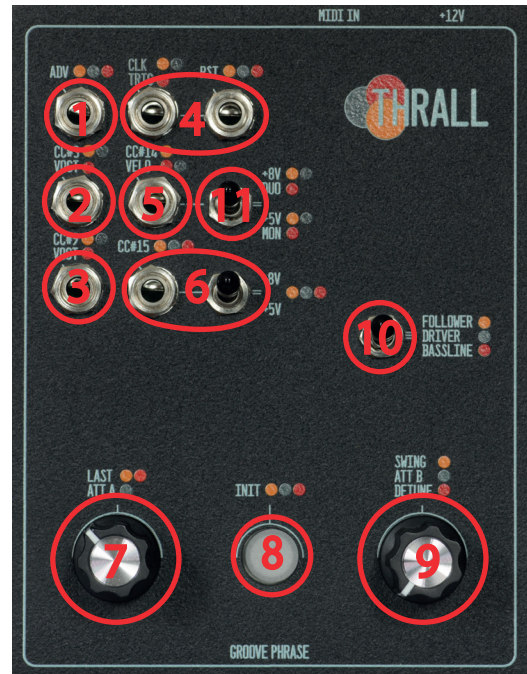
- 1: to ADV
- 2: MIDI CC#3
- 3: MIDI CC#9
- 4: clock & reset
- 5: velocity and 8/5 V selector
- 6: MIDI CC #15 and 8/5 V selector
- 7: MIDI CC #3 attenuator
- 8: step 1 initialization: to initialize the position for Step 1, press and hold the INIT switch for 2 seconds
- 9: MIDI CC #9 attenuator
- 10: mode selector in the middle position



BASSLINE MODE

BASSLINE mode turns a DFAM into a classic monophonic or duophonic synthesizer. Two 1V/oct outputs, a velocity output and a trigger output handle this functionality, while MIDI CC #15 remains available. VCO2 tuning can be adjusted with a potentiometer, and note priority is configurable. The sequencer is still controlled via MIDI clock and the sequence length potentiometer.

- 1: to ADV
- 2: 1V/oct osc1
- 3: 1V/oct osc2
- 4: clock & reset
- 5: velocity 5Volts
- 6: MIDI CC #15 and 8/5 V selector
- 7: sequence length
- 8: step 1 initialization: to initialize the position for Step 1, press and hold the INIT switch for 2 seconds
- 9: detune osc2
- 10: mode selector in the lower position
- 11: mono/duophonic selector



MODE CONFIG

CONFIG mode lets you configure and save certain parameters, such as the MIDI channel, note priority, and clock divisions for the clock outputs and DFAM control. These settings are retained after THRALL is powered off. To enter this mode, press and hold INIT for 6 seconds. A short press exits the mode.

- A: ADV output division selector:
 - 1/8, 1/16, 1/32. Par défaut: 1/16
- B: CLK output division selector:
 - 1, 1/2, 1/4, 1/8, 1/16, 1/32. Par défaut: 1/16
- C: Note priority selector:
 - upper position = highest-note priority
 - middle position = last-note priority
 - lower position = lowest-note priority



- Outputs on 3.5 mm jacks
- MIDI input on 5-pin DIN connector.
- Power supply not included.
- Recommended power supply: +12 V DC, capable of supplying at least 150 mA, centre-positive, 5.5 mm × 2.1 mm.
- Do not exceed +12 V DC.
- Indoor use only.
- Do not expose the device to water or other liquids.
- Connect outputs only to compatible inputs.
- Connect inputs only to compatible outputs.
- Do not use THRALL with the enclosure open. Opening the enclosure is reserved for maintenance operations or recalibration of the internal adjustments.

Disposal — WEEE

This product must not be disposed of with unsorted household waste. The crossed-out wheeled bin symbol indicates that it must be collected separately as waste electrical and electronic equipment. At the end of its service life, take THRALL to an appropriate collection or recycling facility in accordance with applicable local regulations.

GROOVE PHRASE
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GUILHERAND GRANGES
FRANCE