

Arpeggiator

The settings related to the arpeggiator are the following: *AR* (*ARP RANGE*), *AD* (*ARP DIRECTION*) and *AP* (*ARP PATTERN*). The arpeggiator is enabled when the range is set to a non-zero value.

C / and *G* - control respectively the **clock division** and **gate length** of the arpeggiator and sequencer.

While an arpeggio is running, **hold START/STOP for one second** to latch the arpeggio. Press again to unlatch. This trick can also be used to latch a non-arpeggiated note.

Set *E* - (*EUCLIDEAN LENGTH*) to a value different from zero and play with *EF* / *ER* to replace the arpeggiator pattern by an euclidean rhythm.

Built-in digital oscillator

A digital oscillator can be output on CV4 (in 1M mode), CV3/CV4 (in 2M, 2P modes), or on CV outputs 1/2/3/4 (in 4M, 4P modes). Select the waveform in the *OSCILLATOR* setting - OFF disables it.

The digital oscillator provides sawtooth, triangle, sine, square and pulse waveforms.

Note sequencer

Each part can store a sequence of up to 64 notes. Sequences are recorded step by step.

1. Press **REC**. When a multi-timbral layout is used, you are prompted to select a part number with the encoder - click to confirm.
2. The display now indicates the step number.
3. Play a note on the MIDI input device to add it to the sequence.

OR

3. Click the encoder and select a note on the display. Click the encoder to confirm.

OR

3. Press either **TIE** or **REST** to insert a tie or rest.
4. When you have recorded all steps, press **REC** to leave the recording mode.

In case of mistake, use the encoder to go back to the previous steps.

The start/stop button controls the playback. While a sequence is playing:

- Incoming MIDI notes transpose the sequence.
- REC can be pressed to re-record notes/steps on the fly, while the sequence keeps running.

Saving and recalling setups

8 memory slots are available. Press the encoder for a second to display the load/save menu. When this menu is shown, the display pulsates.

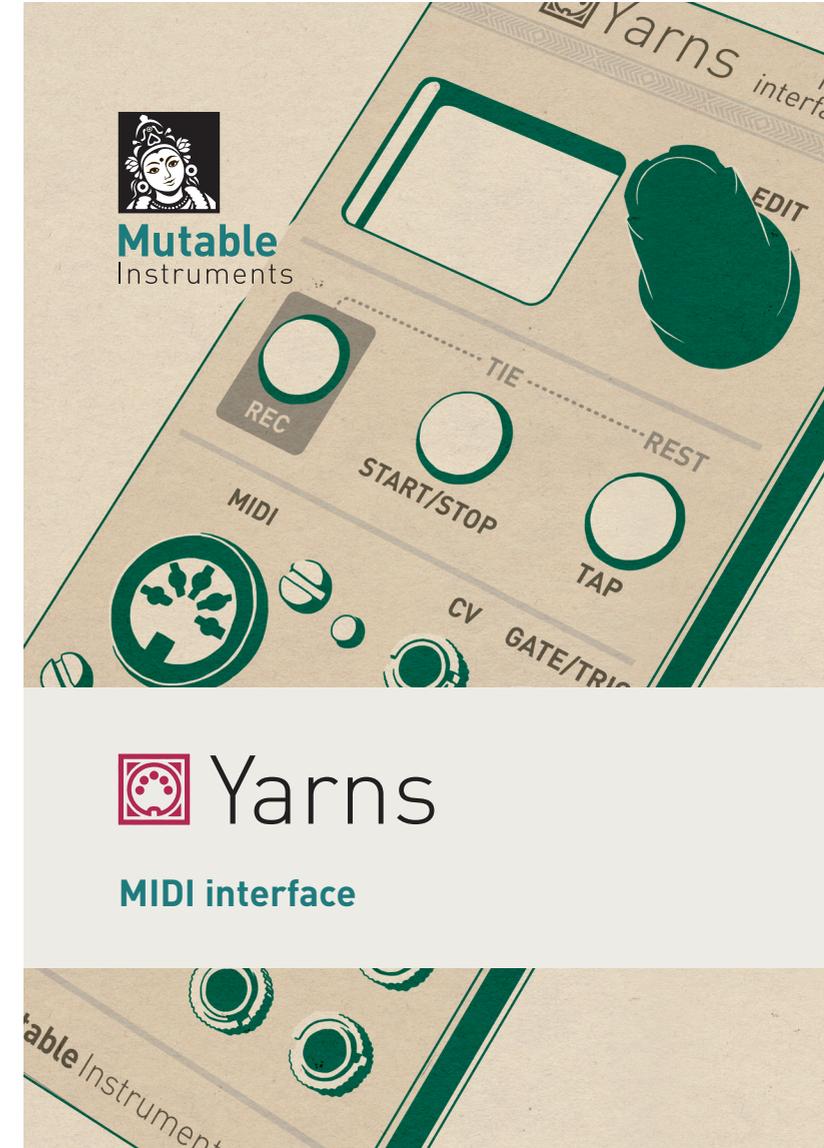
Select ***SAVE*** and click the encoder to save the current settings into one of the 8 programs. Select "--" to cancel.

Select ***LOAD*** and click the encoder to select the number of the program you want to load. Select "--" to cancel.

Select ***EXIT*** to leave the LOAD/SAVE menu.

Refer to the online manual for the other commands (SysEx transfer, calibration).

Memory slot 1 is always reloaded when the module starts. It is recommended to frequently save your settings there.



About Yarns

Yarns is a **MIDI to CV/Gate interface** handling up to 4 channels of conversion, in multi-timbral or polyphonic modes, and with built-in sequencing/arpeggiation/pattern generation capabilities.

Standards

Gates are **+5V**, positive polarity (ON = +5V).
CVs are **1 V/Oct**, 0V = MIDI note 36.

Installation

Yarns requires a **-12V / +12V** power supply (2x5 pins connector). The red stripe of the ribbon cable (-12V side) must be oriented on the same side as the "Red stripe" marking on the board.

The power consumption is as follows:
-12V: 2mA ; +12V: 60mA.

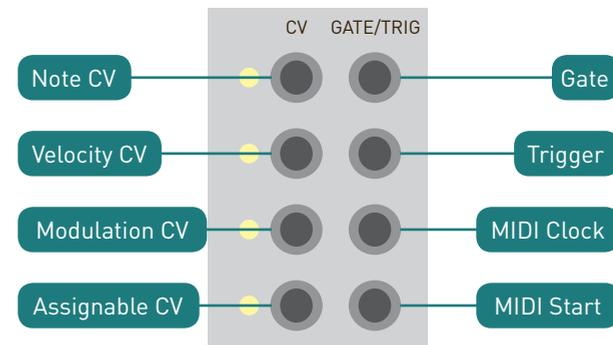
Online manual and help

The manual can be found online at mutable-instruments.net/modules/yarns/manual

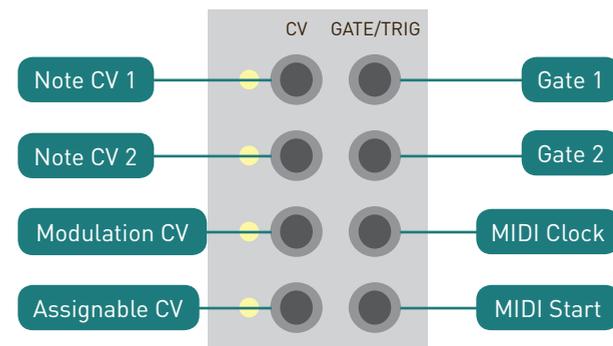
For help and discussions, head to mutable-instruments.net/forum

Layouts

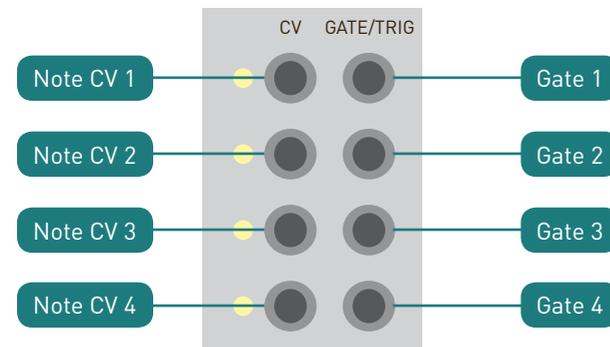
1M: monophonic



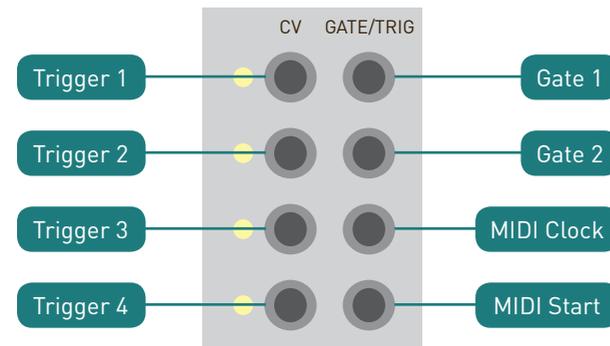
2P: duophonic 2M: 2x monophonic



4P: quadraphonic 4M: 4x monophonic



4T: quad triggers



2>, 4> and 8> are **chaining modes**: half of the notes are handled by Yarns, the rest forwarded to the MIDI out.

Navigation

Use the **encoder** to scroll through the list of **parameters**. Observe that the full name of the parameter temporarily scrolls on the display.

Click the encoder, and **turn it to modify the parameter**.
Click to confirm and get back to the list of parameters.

Essential parameters

LAYOUT: selects the number of conversion channels and their grouping into polyphonic parts. Refer to the previous pages.

TEMPO: is the tempo for the clock and sequencer. Set to **EXTERNAL** to sync Yarns with an external MIDI clock. The tap tempo button can also be used to set the tempo.

PART: in multitimbral modes (such as 2M, 4M, 4T), this selects the active part to modify. Most settings - such as MIDI channel, arpeggiator range, etc. are relative to the selected part.

CHANNEL: MIDI reception channel.

LG (LEGATO), PORTAMENTO: legato mode and portamento speed.