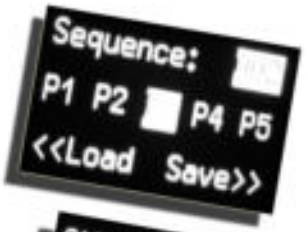


Manual v.2

MidiTraC combines different device classes:

* Step sequencer (polyphonic)
* Midi looper (notes & CC data)
* Random step generator (drums / polyphonic melodies)
* Note editor (e.g. micro timing, note correction etc...)

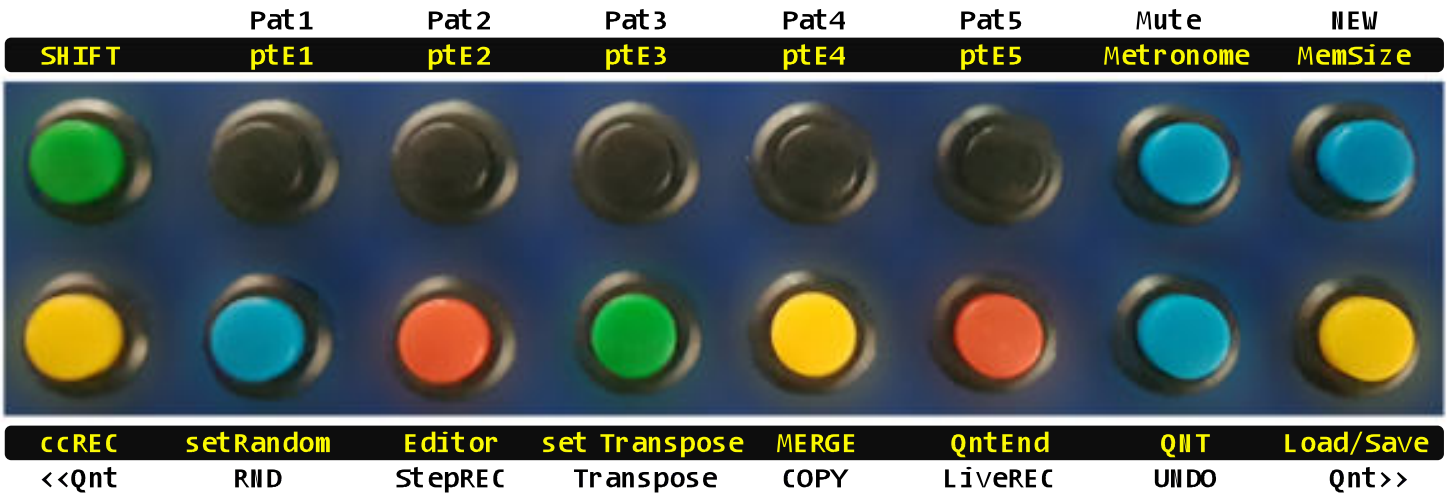
The device works on the basis of patterns (1-5), each can store 1024 events. The pattern can manage up to 16 midi channels, which can be muted, transposed, deleted or generated. An infinite number of overdubs are possible, each of this overdubs can have different lengths (loop). The longest recorded loop, represented here by the total pattern lengths (bars), can be from 1 to 64 bars long.
The sequencer runs permanently, so patterns can also be created, edited, saved (128 memory locations) and loaded (slots 1-5) during runtime.The principle is comparable to an audio looper, with the difference that the amount of data is not generated via the time axis, but via the number of recorded events.

Manual v.2

Live-Record:

In live record mode, the sequencer behaves like a looper. Midi data that received via the MIDI-IN port are automatically recorded and placed in the quantization grid. The position display is based on the length that set at Loop (number of bars). The position display shows sixteenth & quarter notes, as well as the current measure. The inverted display in the status bar represents active recording.

Loop: Number of measures that currently being recorded
P1: active Pattern 1-5 (inverted: CC-Record is activ)
Status bar: *REC / PLAY / STEP / NEXT
Bars: Number of measures over the entire pattern length
Qt: quantisation grid (off - 1/64 - 1/1 Noten)
Position grid: measure : quarter : sixteenth



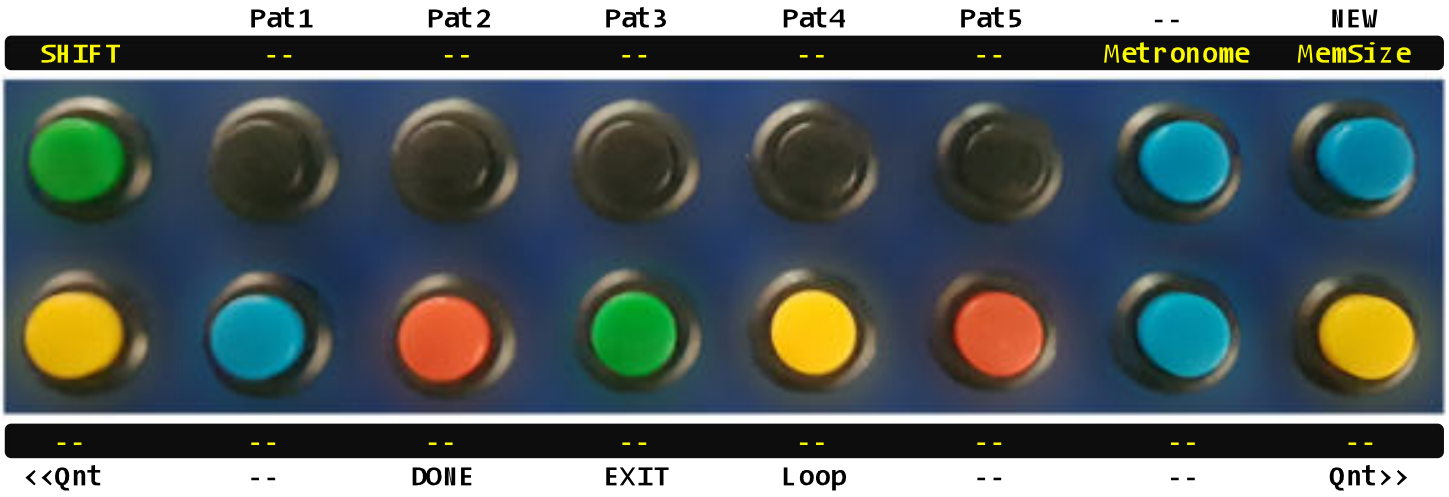
Pat1-Pat5: change pattern| ptE1-ptE5: change at the end of the pattern (Bars)
Mute: opens Mute-selection - Channel 1-16 (EXIT ENC-Button)
Metronome: On/Off
NEW: deletes the current pattern, the UNDO-Buffer and resets the pattern length
MemSize: shows the number of free Steps (1024 / Pattern)
<<Qnt | Qnt>>: quantisation grid (off - 1/64 - 1/1 Noten)
ccREC: record CC-Data (On/Off)
RND: generate a random sequence | setRandom: opens the random setting dialog
Transpose: switches off recording functions, the keyboard transposes selected tracks
setTranspose: opens track selection (1-16 midi channels) to transpose (EXIT: ENC-Button)
COPY: copies the current sequence into the UNDO-Buffer
MERGE: insert the UNDO-Buffer to the current pattern
UNDO: overwrites the current pattern with the UNDO-Buffer
QNT: quantizes the pattern to the quantization grid
Load/Save: opens the disc menu

Manual v.2

Step-Record:

In step record mode notes can be recorded polyphonically and monophonically. The preset quantization grid specifies the smallest step value. If necessary, the gate lengths can be reduced with the [ENCODER]. To play longer note values, hold down the keys of the midi keyboard and use the [Qnt >>] button to lengthen them by one step. [Qnt >>] is also used to enter pauses; the step lengths corresponds to the quantization grid.

P1-5: current pattern
G: Gate length <= Step length (- [ENC] +)
Status bar: STEP
Loop: length of recording (measure)
Qt: quantisation grid (off - 1/64 - 1/1 Notes)
Position grid: measure : quarter : sixteenth



Pat1-Pat5: change pattern
Metronome: ON/OFF
NEW: deletes the current pattern, the UNDO-Buffer and resets the pattern length
MemSize: shows the number of free steps (1024 / Pattern)

<<Qnt: resets step input and the position
DONE: exit step input, all remaining steps are filled with pauses
EXIT: exit step record without any recordings
LOOP: exit step input, all remaining steps are filled with copies
Qnt>>: Step forward

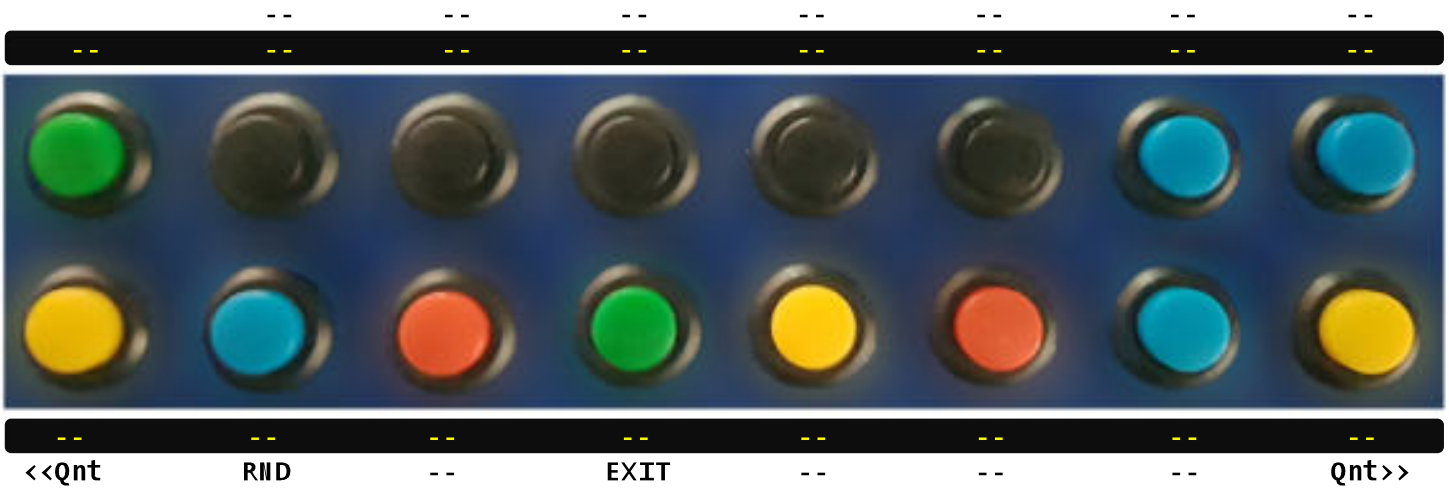
The Step record mode ends automatically when the loop length is reached. The quantization grid cannot be changed while entering the step, but the gate length can be set individually for each step (less than or equal to the quantization grid). Polyphonic entries (chords) are possible, the step is switched when all keys of the keyboard have been released.

Manual v.2

Random-Generator:

The random generator generates note events at random. The parameters can be set at [setRandom]. Drum tracks and melodies can be generated. Melodies are currently generally generated polyphonically, within the set range (lowest octave + note range in semitone steps). In addition, the keynote and the scale can be set here. The generated notes fit into the selected quantization grid.

Ch: midi channell (1-16)
O: octave + note range in semitones
Scale: rootnote + scale
Density: number of notes (1-255)
LoopSize: generated lengths
(The default setting is the current loop length)



<<Qnt | Qnt>>: These buttons are used to navigate through the menu
RND: generates a sequence based on the set parameters
EXIT: exit the menu, settings are adopted
Parameter values can be set by the [ENCODER]

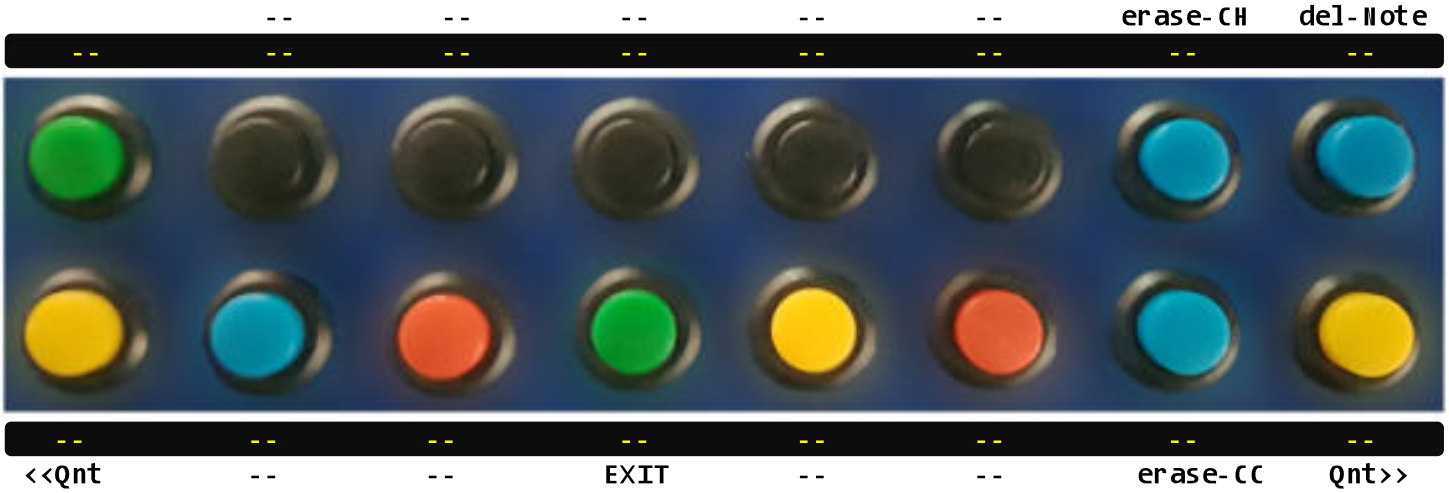
In live record mode, a sequence can be generated with the last parameter settings depending on the quantization grid, by pressing [RND]. When using random generator, a restore point is automatically set.

Manual v.2

Editor:

The editor offers a view of the note events that have been recorded so far (only accessible if the pattern is not empty). The events are in a chronological list. This list can be run through by the [ENCODER]. Parameters can be edited individually (except for the loop length, this value is only for orientation). With regard to micro-timing, the smallest step size is 192 tics per cycle.

Pos: NoteOn start position | Position in list
Pitch: pitch | loop length of the current overdub
Ch: midi channel
V: velocity
Duration: note length
(Duration can be negative in some ways...)



erase-CH: opens a selection, active midi channels can be deleted
del-Note: deletes the current event
<<Qnt | Qnt>>: These buttons are used to navigate through the menu
EXIT: exit the Editor
erase-CC: deletes all CC-data
Parameter values can be set by the [ENCODER]

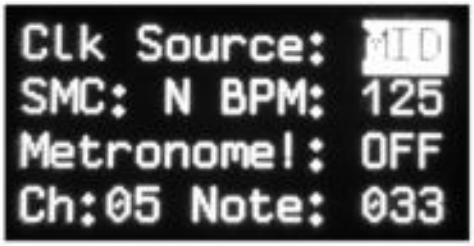
Load&Save:

[SHIFT]+[Qnt>>] opens the Load & Save dialog. The [ENCODER] can be used to select a memory location (empty locations are marked with a [*]. With the selection buttons for the patterns (P1-5) a target / source for the data transfer can be specified. [<< Qnt] represents LOAD, [Qnt >>] SAVE. In order to leave the dialog without any action, the [EXIT] button can be pressed.

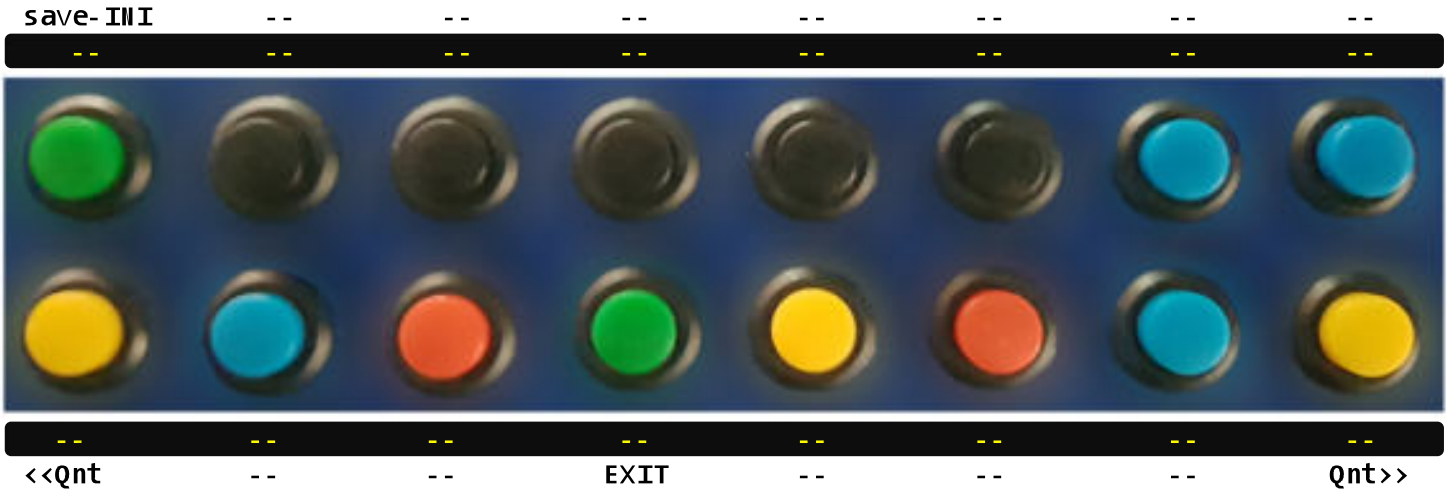
Manual v.2

Setup:

This dialog offers some basic settings synchronization and metronomes. The sequencer pauses in the setup dialog and an "ALL NOTE OFF" command is sent (if unexpected notes get stuck). The incoming midiclock can also be sent to the MIDI-OUT port with external synchronization. The metronome currently uses only any external source (a hardware upgrade offers a piezo-based metronome).



CLK Source: synchronisation (MID = Extern / INT = Intern)
SMC: send-midi-clock (Yes/No)
BPM: internal clock speed
Metronome: (On/Off/Internal)
Ch: midi channel for metronome
Note: which note is used for the metronome



save-INI: saves the current settings permanently in the flash memory
<<Qnt | Qnt>>: These buttons are used to navigate through the menu
EXIT: exit setup, starts the sequncer
Parameter values can be set by the [ENCODER]

October 16, 2021