Bastl's THYME+ optimizes your sound and liberates you from the confines of routine work. With numerous parameters at hand. you can delve deep into time-based effects and explore their wildest combinations.

You have the freedom to experiment with delay, phaser, reverb, chorus, pitch shifter, multi-tap delay, tape delay, tremolo, vibrato, and much more – all in stereo!

And finally, the built-in sequencer enables you to compose these effects into vibrant, dynamic patterns!

Automate and synergize your jam with THYME+, a one-of-a-kind audio effects processorrun by friendly Robots ready to handle your audio processing workload

This quickstart guide provides essential information to get you started right away.



For full manual and documentation, scan the QR code.

There's a lot THYME+ can do and we will slowly dive into it. Follow these easy steps to comprehend it all, bit by bit...

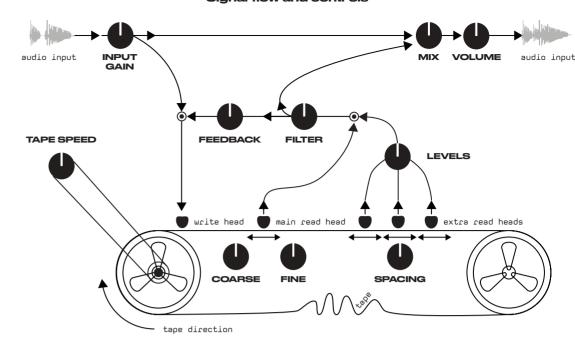
In this quickstart guide, we will look into:

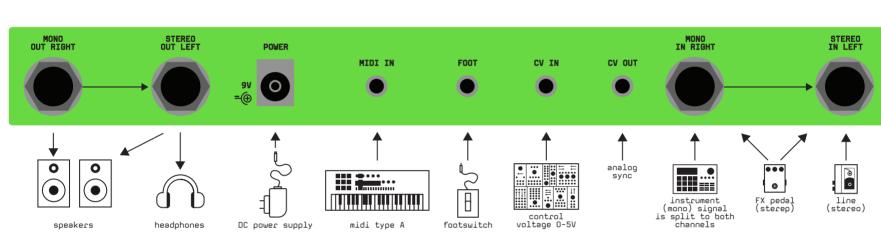
- Tape delay Memory
- Sequencer (remember to save your
- progressas you go, it will be essential) Freeze mode

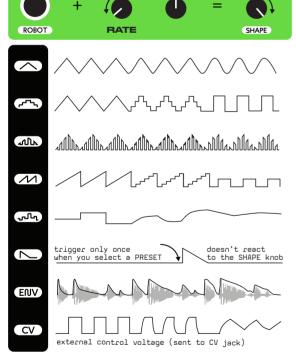
ROBOT WAVESHAPES

For the best results follow each step, the way it's written.

SEQUENCEABLE ROBOT-OPERATED DIGITAL TAPE MACHINE Signal-flow and controls









FREEZE MODE

ROBOT PHASES

The FREEZE mode samples a short loop, with the length defined by the delay time.

FREEZE allows you to create drones with longer time frames, "lag" the sound with shorter ones, create feedback pitches with the shortest delay times, or glitch the sound with gradual movements

Change the length of the frozen loop using the COARSE & FINE knobs.

Control the intensity of the loop with FEEDBACK(when fully to the right, the loop will stay indefinitely).

Mix in the extra read heads to the output with **LEVELS**. In the second half of the knob, the signal from extra read heads gets written into the frozen loop. Have fun!

ROBOT STEREO

BUTTON COMBOS

Tape machine

FRFF7F **DELAY SYNC** TAPE SPEED FEEDBACK wiggle SPACING wiggle

set tape speed to half set tape speed to double lo-fi/analog tape negative/positive feedback synced/unsynced read heads

Robots

any **KNOB** wiggle any **KNOB** movement SYNC robot PRESET 1-8 RATE A/B/C/D PATTERN FREEZE/LINK/SYNC

select for modulation set amount of modulation stereo robot mode select waveform of LFO modulate shape of waveform select phase of LFO select robot polarity erase selected robot

Sequencer and clock

WRITE + PRESET 1-8 SELECT + PRESET 1-8 hold PRESET 1-8

SHIFT + TAP SHIFT + A/B/C/D

BYPASS

record preset (live mode) select preset (write mode) select substeps (write m.) modeselect clock source select tempo divider

Memory

SHIFT

STEREO

PRESET select bank SELECT save bank **WRITE** copy preset PLAY paste preset BYPASS + SHIFT + PRESET erase bank BYPASS + PRESET

erase preset BYPASS + A/B/C/D erase pattern PRESET 8 + PLAY in test mode memory format

Randomize

FREEZE LINK SH. SYNC

all robots parameters tape machine parameters

tape and robots parameters

Midi, hardware test, firmware update

Hold buttons during power up:

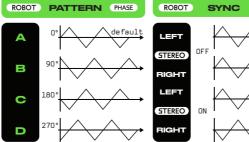
WRITE PRESET 1-8 SHIFT + PRESET 1-8 A+B+C+D TAP

start/stop message midi channel 1-8 midi channel 9-16 hardware test mode bootloader mode to update



modulation It can subtract from the knob value, it can modulate around it, or it can add its output to the knob value

three directions





Plug in your power supply, input signal, and output signal.

For starters, to learn the instrument and best hear the processes, it's best to use a simple continuous rhythm signal instead of drones or an instrument you would have to play actively.

Select an empty BANK with empty PRESETS (SHIFT + PRESET)



Select an empty PRESET

2. LET THERE BE SOUND

- Adjust **INPUT GAIN** to a desired level. A GREEN
 - light indicates an incoming signal, while a RED light
- indicates clipping (the signal is too loud) Adjust **VOLUME**. Now you can hear vour signal!
- Quickly turn MIX to unfreeze the knob*
- Adjust between DRY (original) and WET (processed) signal

*Knob freezing is a function keeping the knob values set. It applies to all the knobs except INPUT GAIN and VOLUME.







3. SIMPLE DELAY

Delay is the core of this instrument. It functions as an analog tape machine.
There is a virtual digital "tape" as well as write and read heads interacting with it.

- Unlock and adjust the **COARSE** knob. It controls the main delay time
- Use **FINE** to make precise delay time adjustments
- Adjust FEEDBACK to control the amount of the signal fed back to the write head

TAPE SPEED changes how fast the tape moves, so it affects the overall duration of the loop and, therefore, the audio sample rate. The slower the tape (turning the knob to the left), the more digital sound artifacts appear.







TAPE SPEED

You can press **LINK** to compensate for the change in delay time caused by adjusting TAPE SPEED

- Press TAP multiple times to set the tempo of the main clock. The tempo is indicated by the blinking green light above*
- Press the COARSE SYNC button to sync the delay time to the main clock
- Play around with all these parameters

*If there's no light indication, check the clock source (SHIFT + TAP) and select the TAP option. The setting is indicated by one of the three lights:



7-10 46

(2)

delay section

extra re

5

4. COPY & PASTE PRESETS

sequencer and memory

- Select a **PRESET** (or just stay in the current one)
- Press SHIFT + WRITE to COPY the current **PRESET** settings
- Select another **PRESET**
- Press SHIFT + PLAY to PASTE

5. ADDING DENSITY

You can add three more extra read heads to the tape. They will be added after the main read head.

- Unlock and adjust **LEVELS**. This knob controls the volume level of all three read heads
- Play around with **SPACING**. This knob controls the distance between the three extra read heads

These heads also react to **FEEDBACK** and **TAPE SPEED**. Let's try it out!

6. ERASING A PRESET

If you happen to get lost because things grow a bit too chaotic ... don't panic!

Press BYPASS + PRESET to erase the corresponding preset

Since you still have the first preset in your device's memory, you can always **PASTE** it again (SHIFT + PLAY).

8. MORE ROBOTS

Using Robots, you can create interesting modulations, such as the following one, resulting in a flanger-like effect:

volume control

- Select a new **PRESET**
- Adjust **FEEDBACK**
- Turn the **FINE** knob, and listento the flanger effect
- Hold ROBOT and wiggle FINE to automate FINE with a Robot
- Release ROBOT and play with AMOUNT, RATE, and FINE

You can change the waveform shape from triangle

Hold ROBOT and turn **RATE** fully to the left. It now functions as (SHAPE)

Choose a different waveform shape for the Robot modulating the **FINE** knob:

Hold ROBOT and press a corresponding PRESET button to select the desired waveshape. Let's try the random shape for a Sample & Hold-like effect. Now, you can smooth out the edges with the (SHAPE) knob

Every waveshape reacts differently.

If you're curious, check the table on the next page for all the possible waveshaping variants.

9. EVEN MORE ROBOTS

Let's get you STARTED with the BASICS

In this next example, we will build a simple tremolo effect:

- Hold ROBOT and automate **VOLUME**
- Set RATE, AMOUNT and **VOLUME**

Robots can be synced (quantized) to the clock in rhythmical intervals:

- Press the **SYNC** button next to the ROBOT button
- Hold ROBOT and press **SYNC** again. This turns the modulation into STEREO. Really cool!

Try to automate more parameters using Robots in the same way!

There is even more to Robots on the next page.

10. TOO MANY ROBOTS

Hold ROBOT to see which knobs are automated. Those with an active Robot will flash briefly. Afterwards, the one knob with a lit light is the currently selected Robot.

To erase a Robot, select it with a wiggle of the knob and press ROBOT + BYPASS.

11. SAVE & ERASE

 Press SHIFT + SELECT to SAVE your whole BANK

This will save all the current settings. All will stay saved even after restarting the device.

Save your presets, so that you can build a sequence with them.

- Press SHIFT + PRESET to select a BANK (1-8)
- Press **PRESET** to select a PRESET (1-8) from the active BANK

THYME+ is, by default, shipped with all the BANKS and PRESETS empty. However, if you need to clear a BANK, press BYPASS + SHIFT + PRESET.

7. ROBOTS

Now's the time to learn how to automate parameters using Robots.

Let's try it on the **FILTER** parameter:

- Select an empty **PRESET**.
- PASTE your copied preset again Play around with the **FILTER** knob. On the left, it acts as a lowpass (LP), and on the right, as a highpass (HP)
- Hold the ROBOT button and then wiggle the FILTER knob
- While still holding ROBOT, the lightover the **FILTER** knob should light up green with full brightness. It indicates you've selected this parameter to be modulated by a Robot



- While still holding the ROBOT button, select one of the Robot waveshapes
- Release the ROBOT button
- Adjust the **RATE** and **AMOUNT** knobs to set the modulation. The R light indicates the modulation progress of the selected Robot



and NOW it's THYME to COMPOSE

Press **PLAY** this will start the encer, and the WRITE light will start blinking.



presets recorded into the sequence yet, all the steps are set to **BYPASS** by default.

Since there are no



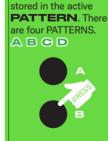
To temporarily listen to different presets, hold the corresponding PRESET



To record presets hold WRITE + PRESET



*if not working, make sure your clock source is set to TAP **if not working, stop the sequencer and make sure that the WRITE light is off.



The sequence is

Change the tempo of the sequence tapping the TAP button.



When switching the sequencer off b pressing PLAY, you stay on the preset that played last in the ience. WRITE light stops blinking



Now you understand how the sequencer works in the LIVE

There's also a WRITE MODE which is the more detailed mode and allows for much more precise editing. Learn how the WRITE MODE works in the full THYME+ manual.

Adjust FILTER. The Robot still reacts to the knob's position. Its value is a refference point the Robot modulates around. Try it.

Now that you have a few presets prepared & saved, let's learn how to turn them into sequences...

