Quick start / 1. First steps

Developed using AI: Marcus Padrini defined and directed the experience, created the patterns and tested on hardware. ChatGPT (OpenAI) contributed technical solutions and generated and revised code, tools, documentation and graphics. Original engines: authors in CREDITS.md. No OpenAI endorsement.

SMKSYNTH 1.0.0 - M-VAVE SMK-37 Pro. Use this guide after installation. First installation requires official V016 and replaces the bank. Save and export your work before returning to official firmware.

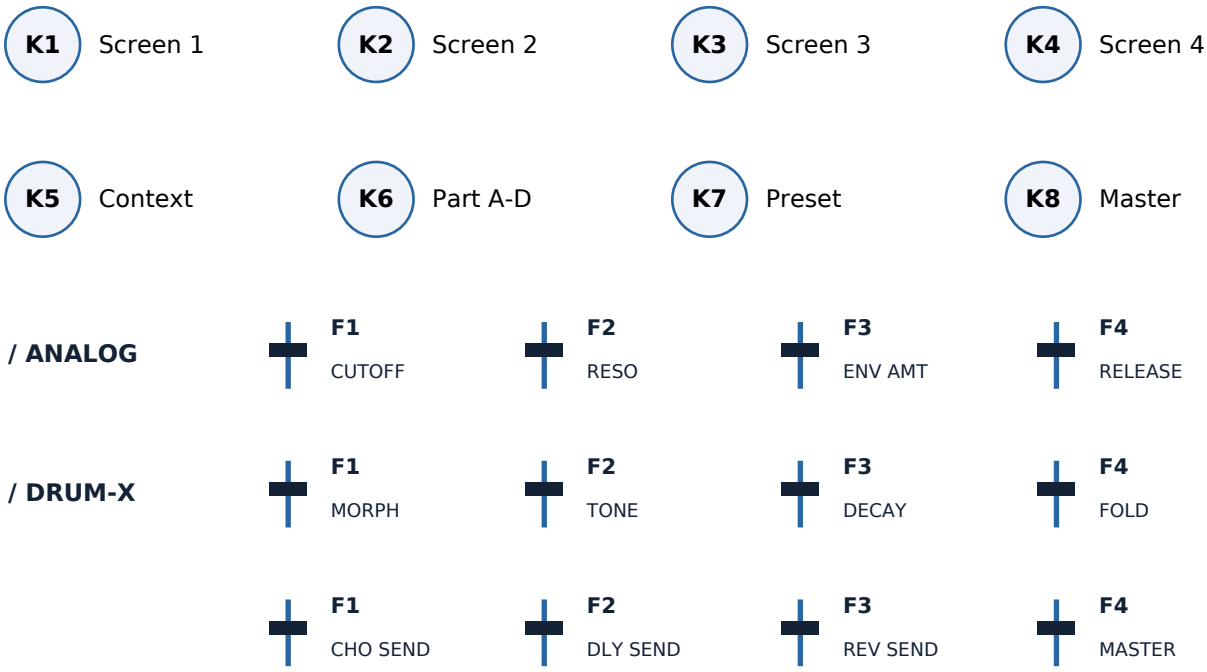
1. Set K8/master to a suitable level and press PLAY.

2. K6 selects A-D; K7 changes the part preset.

3. KNOB BANK cycles Performance > Split/Layer > Patterns; Drum Pads is added when the selected part is DRUM-X.

4. In Patterns, tap P1-P5 for examples. P6-P16 are empty.

5. PLAY stops. Hold KNOB BANK 0.7 s to return to Performance/Favourites.



K1-K4 follow the screen. K5: tempo on Performance; LEVEL/OCT in Split/Layer; page in STEPS; pattern in other SEQ/Mixer views. FADER BANK only changes faders. Bank B F1-F3 use pickup: move through the stored value. Bank B F4 = K8/master.

Five examples start at 90 BPM. Eight favourites, no extra personal presets. PLAY/REC and engine choice preserve the pad bank; SEQ explicitly requests steps.

Quick start / 2. Favourites and Split/Layer

Bank 1 - Performance/Favourites

1 **A**	2 **B**	3 **C**	4 **D**	5 **DELAY**	6 **REVERB**	7 **PRESET -**	8 **PRESET +**
9 **F1**	10 **F2**	11 **F3**	12 **F4**	13 **F5**	14 **F6**	15 **F7**	16 **F8**

1-4: part A-D. 5/6: delay/reverb send on/off. 7/8: previous/next preset. 9-16: eight favourites. Tap to recall into the selected part; hold 0.7 s to capture. Stop and release notes/sustain; wait for FAVOURITES SAVED.

Bank 2 - Split/Layer

1 **A**	2 **B**	3 **C**	4 **D**	5 **SINGLE**	6 **SPLIT**	7 **LAYER**	8 **PLAY 1**
9 **A**	10 **B**	11 **C**	12 **D**	13 **SINGLE**	14 **SPLIT**	15 **LAYER**	16 **PLAY 2**

1. In the same row, hold one A-D part and tap another to form the pair. Use two ANALOG parts.

2. Choose SINGLE, SPLIT or LAYER. K4 sets the split point.

3. K5 switches K2/K3 between the two parts’ levels and octaves.

4. Pad 8 or 16 selects the playing row (bright white). Editing the other row does not activate it.

5. Save the pattern to store both configurations and the active row.

K6 selects the recording part. BT saves a preset; it does not replace pattern/scene saving.

Quick start / 3. Patterns and drums

Bank 3 - Patterns/Scenes

1 P1	2 P2	3 P3	4 P4	5 P5	6 P6	7 P7	8 P8
9 P9	10 P10	11 P11	12 P12	13 P13	14 P14	15 P15	16 P16

Tap to load. During PLAY, the change is scheduled for the next bar. Hold 0.7 s to save the current pattern to that slot. If occupied, tap the same pad within 4 s to confirm OVERWRITE; another pad/PATCH cancels. Stop and wait for writing to complete.

Red: occupied; very dim red: empty; blue: selected; blinking blue: next; blinking red: confirm. A pattern stores sequence, four sounds, mix and Split/Layer. Changing patterns does not automatically save edits.

Bank 4 - Drum Pads

1 KICK	2 SNARE	3 CLAP	4 HAT CL	5 HAT OP	6 TOM	7 RIM	8 BELL
9 RESERVED	10 RESERVED	11 RESERVED	12 RESERVED	13 RESERVED	14 RESERVED	15 RESERVED	16 RESERVED

1. K6 selects part. GLOBE until PART SETUP; K1 = DRUM-X, K2 = kit.

2. KNOB BANK to Drum Pads. Choosing a kit does not automatically activate this bank.

3. Pads 1-8 play with velocity; 9-16 are reserved. Violet at rest, white on live and sequenced hits.

4. PLAY, then REC: record live using pads. REC ends recording; PLAY stops.

With ANALOG selected, an already selected Drum Pads bank becomes inactive. Return to DRUM-X or use KNOB BANK.

Quick start / 4. Record, save and restore

Button	Immediate use
PATCH	Tap: Performance; on Performance opens Mixer; in Mixer cycles seven rows. Hold 0.7 s: return to Performance.
PARA	Tap: synthesis pages; in STEPS clears and advances a step (DRUM: clears the lane hit). Hold: edit/erase layer.
CHORD	ANALOG: FILTER ENV / AMP ENV. DRUM-X: DRUM SOUND.
NOTE REPEAT	ANALOG: LFO / LFO DEST / LFO +. DRUM-X redirects to DRUM SOUND.
ARP	Open ARP. Another tap on that page toggles the part’s HOLD.
SCALE	Hold in ANALOG STEPS: STEP+. On GLOBAL, tap toggles SYNC AUTO / INTERNAL.
GLOBE	Tap: GLOBAL > POLYPHONY > OUTPUT > PART SETUP. Hold: keys for start/stop, mute, solo and tap tempo.
FX	Tap: CHORUS > DELAY > REVERB > DRIVE. Hold: K1/K2/K3 chorus/delay/reverb returns; K4 delay time.
SEQ	Tap: sequencer views and explicit step-pad ownership. Hold: white keys become steps.
REC	Tap: arm while stopped; toggle recording while running. Hold over 1.2 s: clear selected track.

1. Live recording: select K6, PLAY and REC; play; REC ends recording.

2. ANALOG step entry: PLAY stopped, REC off, SEQ > STEPS. Play note/chord and release to advance. K1 moves the step; leave empty for a rest.

3. If LENGTH = OFF, use TRACKS K3 to enable the track.

4. Save sound: tap BT. Save As: hold BT, choose K7, confirm BT. Save sequence/scene: hold a Patterns bank pad.

5. For backup, save on the instrument and wait for completion. Stop PLAY/REC and release notes/sustain. Export in the web tool.

6. Restoration replaces the entire bank: export the current one, choose the .smksynth and confirm. RESTORE PENDING requires the same file.

Holding REC over 1.2 s clears the selected track. Persistent transpose: SEQ > TRANSPOSE K1 enables capture; K2 adjusts, K3 resets. Performance K4 KEY TR disables capture without resetting its value.

Tools: https://4t59m4f784-creator.github.io/SMKSYNTH/