FM1 Tonic button combinations

Cheat sheet: only the keys and buttons you press together, for the M-VAVE FM-1. The user manual has the rest.

1. Works on every page

Red = with FUNC (black key 11) held, **orange** = with FILL (black key 10) held.

KEYS	WHAT IT DOES
Black key 1 to 8	Selects the track and plays it (also while playing).
White key 1 to 16	The steps: tap = trig on, tap again = off. A pattern has up to 64 steps, shown 16 at a time.
White key held + ACCENT / FILL	That step gets an accent / a fill (again = off).
FUNC + black key 1 to 8 / **FILL + black key 1 to 8**	Mutes the track / solos it (again = back).
FUNC + white key	Changes the pattern (while playing: at the end of the bar).
FUNC + ACCENT / **FUNC + FILL** / **FUNC + PLAY**	Copies the pattern / pastes it (it asks PASTE PATTERN?) / clears it (it asks CLEAR PATTERN?). OCT+ = yes, OCT- = no.
FUNC + black key 1 to 8 held, then ACCENT / FILL / PLAY	Copies that track's sound / pastes it / clears that track's pattern (it asks).
FUNC + SEQ	Song mode on / off (it asks).
FUNC + ARP	Deletes the song (it asks).
FUNC + SAVE / **FUNC + HOME**	Quick save into the loaded place / renames the project.
FUNC + REC	QUANTIZED REC / UNQUANTIZED REC.
ENV + a knob	That knob back to its default.
GLO + ACCENT / GLO + FILL	Undo / redo (on every page).
REC + PLAY, then keys and knobs	Live recording: black keys 1 to 8 write trigs, the knobs write automation (3 knobs per track).
PLAY	Starts and stops the pattern.
OCT- / OCT+	The track's pitch one octave down / up. In a question: NO / YES.

Exceptions: on PERFORM, MUTE / SOLO and the pattern page the black keys are mute buttons; on ARP every key is a keyboard key. They are all in part 2.

2. Only on some pages

PAGES WHERE THE KEYS DO SOMETHING ELSE

PAGE	KEYS	WHAT THEY DO
ARP	Every key, white and black	Keyboard keys for the selected voice (the dim C keys play its own pitch).
	ALGORITHM	The voice.
	OCT- / OCT+	The keyboard octave (-3 to +3).
	SEQ	Back.
PERFORM, **MUTE / SOLO** and the **PATTERN** page (SEQ, 2nd press)	Black keys 1 to 8	Mute buttons (solo buttons in SOLO mode), not track select.
	White keys 1 to 16	The next pattern.
	FUNC, tapped	MUTE mode (or unmute all).
	FILL, tapped	SOLO mode (or clear all solos).
	REC + PLAY	Does not record here.
DUCK (SENDS, ALGORITHM right)	Black keys 1 to 8	Choose which tracks are ducked (blue = ducked, purple = the sidechain input).
	ALGORITHM left or HOME	Back.
CHOKE (EDIT, ALGORITHM right)	Black keys 1 to 8	Choose which tracks are in the choke group (blue = in).
	ALGORITHM left or HOME	Back.

PAGE	KEYS	WHAT THEY DO
SONG and **PATTERNS** screens (song mode)	White keys 1 to 16	Write a pattern into the bar on the cursor and move on.
	FILL, tapped	Deletes the bar at once.
	OCT- / OCT+ (PATTERNS)	Takes the last pattern off / OK.
Copy-paste mode (after FUNC + ACCENT)	Pattern keys 1 to 16	The places to paste into (they blink; an empty pattern blinks dimmer). The screen says PRESS PATTERN TO PASTE.
	FUNC, tapped alone	Stay in the mode to paste in many places.
	SEQ (it blinks) or any button	Leaves the mode (PRESS SEQ TO EXIT). SEQ opens the sequencer page.
FUNC held	White keys 1 to 16	Patterns 1 to 16. The keys light where a pattern or a track has notes.

THINGS THAT EXIST ONLY ON SOME PAGES

PAGE	KEYS	WHAT IT DOES
Sound pages: MIX 1, SEL, ENV, LFO, EDIT, VEL	White key held + knob 1 to 4	**P-lock**: that step gets its own value of the knob. A track holds 3 locked knobs per pattern (MAX 3 PER TRACK).
	White key held + SAVE + the same knob	Removes the p-lock.
Every page but PERFORM, HOME, SONG, COMP and the lists	White key held + SELECT	That step's **chance**: 5 to 100 %, then 1:2, 2:2, 1:3 … 8:8.
ENV	OCT- / OCT+	The oscillator frequency one octave down / up.
EDIT	FUNC + knob 2	Right = the track joins the choke group, left = it leaves.
	FUNC, tap EDIT	DELETE AUTOMATION? (OCT+ yes): the track's p-locks and recorded motion in the playing pattern.
	EDIT or LFO held + FUNC + ACCENT / FILL / PLAY	Copies / pastes / resets **this page** of the track (track pages only).
SEQ	FILL + SEQ	The SONG screen (in song mode).
GLO > VEL	FUNC + knob 4	The selected track gets a new random sound (the 21 sound settings).
GLOBAL (HOME, 3rd press)	Knob 4 (or HOME held + SELECT)	The tempo.