MAKER HIP

Load your own samples into the M-VAVE FM-1

Burger Studio FM-1 firmware · picture guide

You need

- **An M-VAVE FM-1 with the Burger Studio FM-1 firmware (1.8.2-bs19 or newer)**
- An Android tablet with the Burger Studio app (3.23 or newer)
- A USB-C cable between them
- A sound: record it in the app, or load any WAV

Install the firmware in one click:

`thefirmwarehub.com/?q=Burger`

Back up your FM-1 first. Beta firmware.

1 Plug it in

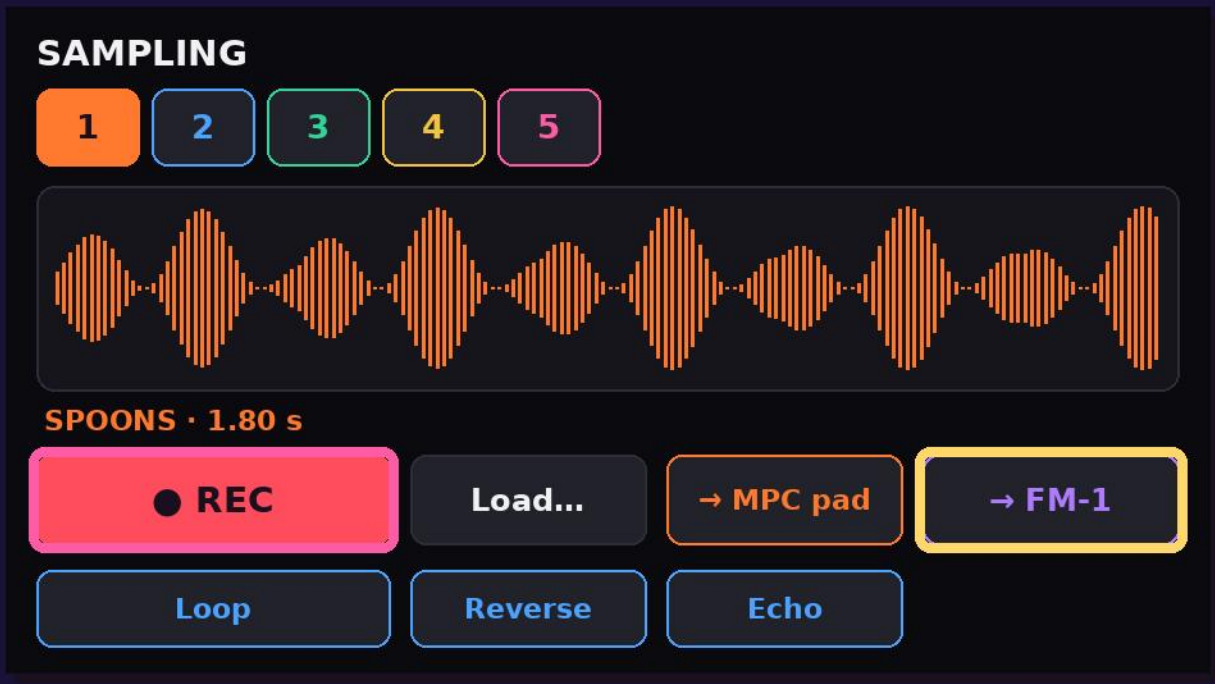
The app and the FM-1 find each other



- **Plug the tablet into the FM-1 and open the app.**
- The FM-1 says APP CONNECTED; the app says the FM-1 "takes samples".
- Tempo: choose LEAD in the app. The FM-1 follows it (CLK = USB).
- Unplug the cable: after a moment the FM-1 goes to its own clock (CLK = INT) by itself, so PLAY works on its own.

2 Pick the sound

In the app: SAMPLING, then → FM-1



Also from Maker Bank:

tap a sound's name > Devices... > Send to the FM-1

- Any sound works: a take from REC, an imported WAV, a drum kit, a bank sound.
- → FM-1 can take the effects with it ("take the effects with them" box).

3 Choose how it goes in

Quality · Slots · Loudness, then a slot

Send SPOONS to M-VAVE FM-1

Quality

HI	LONG	LO-FI

Slots

As it needs	1	2	3

Loudness

Normal	Loud	Louder

- **USR1** empty
- **USR2** KICKS
- **USR3** empty

On the FM-1 while it comes in

RECEIVING USR1 40 KB ▶ **USR1 IN: SPOONS**

	1 slot	2 slots	3 slots
HI · clear	7 s	14 s	21 s
LONG	14 s	28 s	42 s
LO-FI · gritty	28 s	56 s	84 s

4 Find it on the FM-1

HOME: the pink SAMPLE row, always there





ALGO

- **On HOME, turn ALGO past track 4: the SAMPLE row.**
- It shows the slot's sound by name; USR 1 2 3 lit = a sample in it.
- KNOB 1 LEVEL, KNOB 2 MUTE, KNOB 3 BARS, KNOB 4 USR (the slot it plays).

5 Play it in steps

The SAMPLE row is track 5: 16 steps of its own





- **Pick the SAMPLE row, then tap white keys 1-16: a step plays your sound.**
- Press PLAY: it plays in time with tracks 1-4. Stopped, a new step plays once.

6 Shape the sound

EDIT on the SAMPLE row: three pages



SAMPLING **SAMPLE FX** **EDIT SAMPLE**

- **SAMPLING: KNOB 1 LVL, 2 PTCH, 3 MODE (ONE plays to the end, LOOP goes round), 4 USR.**
- **SAMPLE FX: KNOB 1 ECHO, 2 ROOM, 3 TONE, 4 DCAY (a fade after each start).**
- **EDIT SAMPLE: KNOB 1 picks a marker, KNOB 2 moves it; KNOB 3 + OCT+ splits, KNOB 4 + OCT+ joins.**
- These knobs are track 5's own: they change only the SAMPLE row.
- ALGO picks USR1, 2 or 3 on every page. HOME goes back.

7 Loop and layer

SAVE on the SAMPLE row is a looper pedal

TAP	**records tracks 1-4 (next bar)**
TAP again	**stop (a loop of up to 2 bars)**
TAP, then HOLD	**take the last layer off**
HOLD	**clear the SAMPLE row**

- **Layers: tap again later. What tracks 1-4 play is added on top of the loop, like a guitar looper.**
- Change the sounds of tracks 1-4, mute or lower them yourself, and layer again.
- Tracks 1-4 are recorded dry: add echo and room on the SAMPLE row (SAMPLE FX).
- Writing a take pauses the sound for about half a second.

8 Level and tips

MIXER for volume · CLOCK on its own



HOME x1: MIXER · KNOB 1



HOME x2: CLOCK · KNOB 3

- **Too quiet? Raise LEVEL on the MIXER (or the SAMPLE row's LEVEL), or send it again with Loudness = Loud.**
- **Unplugged: CLK goes to INT by itself. Plugged back in: USB again.**
- Sending into a slot that is part of a long (joined) sample removes that whole sample.
- Recording tracks 1-4 one pass at a time? Hold SAVE on a track: the last take comes off.