

The bitbox mk2 2.2 Quick Start Guide

SET UP

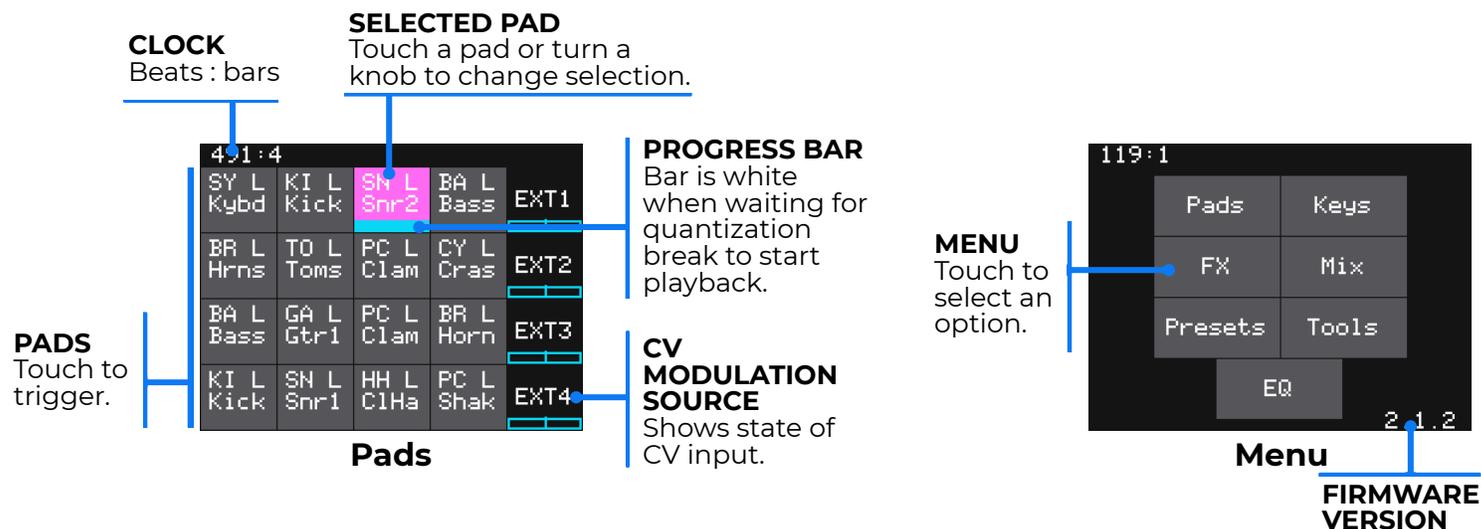
1. Insert the microSD card into the MICRO SD slot, notched edge away from the screen.
2. Turn off your Eurorack and use the ribbon cable to connect the module to power:
 - Attach to the module with red edge of the ribbon cable on the left side of the module when module is held with power socket on top edge of module.
 - Attach to the Eurorack +12V power supply, with the red edge of the cable aligned with pin 1 or the -12V pins on the power supply bus.
3. Mount the module into the rack and then power it up.
4. Connect your bitbox mk2 to external gear:
 - Out1 & Out2: connect to your mixer or speakers.
 - In1 & In2: connect to left and right audio signals to record.
 - MIDI: connect to a MIDI controller to trigger pads, play pads chromatically, follow a MIDI clock, or use MIDI CC to control parameters.

The bitbox mk2 requires 400mA on the +12V rail only.

The bitbox mk2 supports Type A and Type B TRS MIDI In.

GET STARTED

When bitbox mk2 powers up, you see the Pads Screen. Touch a pad to trigger it. Use the knobs to select elements and assign values. Push the HOME button to open the Menu screen.

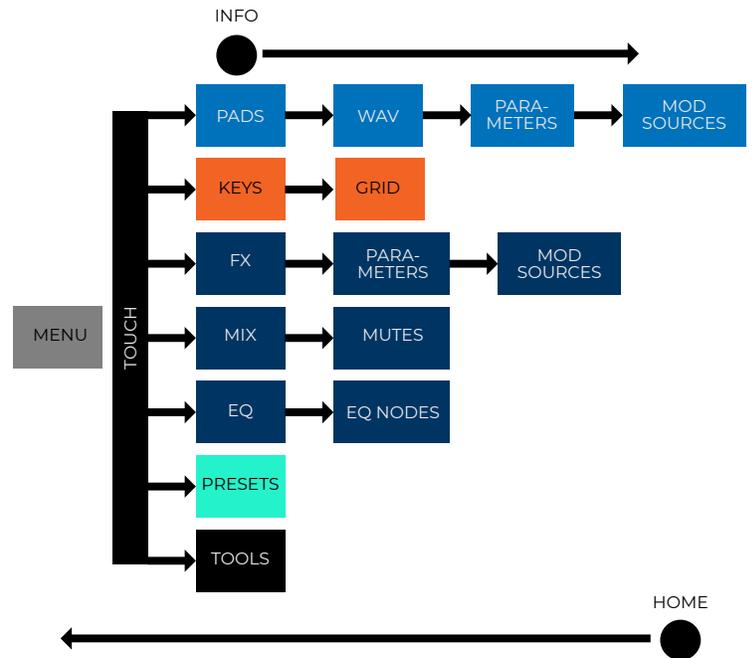


NOTE:

- The bitbox mk2 does not automatically save your changes. Any unsaved changes will be lost when you load a preset or power down the module. Push the HOME button until you see the Menu screen, touch Presets, and then touch Save to commit the changes to the preset.

FIND YOUR WAY AROUND

Push the HOME and INFO buttons to navigate to other screens. The INFO button takes you to more detail about the current element, and the HOME button takes you back a step.



CONFIGURE A PAD

Push the INFO button from the Pads screen to drill into the Waveform and Parameters screens.

PAD MODE
Touch to change.

WAV FILE NAME
Touch to load a different WAV file.

PAD GRID
Touch to choose a different pad.

PLAY
Touch to trigger the pad.

WAVEFORM
Pinch to zoom. Drag to scroll.

PLAYBACK RANGE (Pink) & LOOP POINTS (White)
Turn the top knob to adjust the playback range. When looping is on, turn the bottom knobs to adjust loop points.

PARAMETER LIST
Top knob selects a parameter, bottom knob changes the value.

MODULATION SLOTS
Select the parameter, then push INFO to configure.

Pos Parameters

PARAMETERS TAB
Touch to select.

FOCUS RING
Touch a set of controls to change the knob focus.

PAD PARAMETERS
Turn a knob to adjust the matching control.

Main Parameters

MODULATION SLOTS
Select the knob, then push INFO to configure.

CLEAR A PAD

1. Select a loaded pad and push the INFO button to display the Waveform screen.
2. Touch the Pad Mode icon to the left of the WAV file name at the top of the screen and then touch New Rec. You will now see the Load and Record screen.

SELECT A PAD MODE

Touch the Pad Mode button on the Waveform screen to choose one of the following:

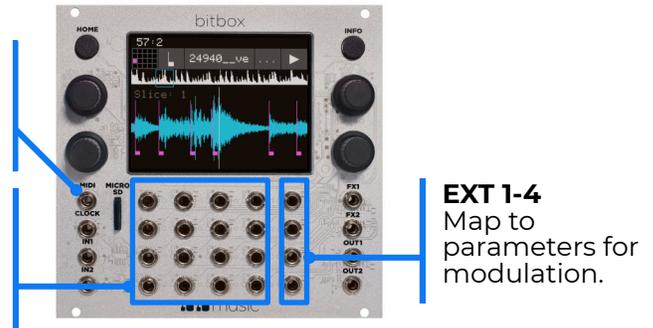
Icon	Pad Mode	When To Use It	Reverse Playback	Beat Sync	Set Loop Points	Play Slices
	Sample	Play single notes, free playing audio samples or drum hits.	✓		✓	
	Multi-Sample	Spread a list of wav files across the keyboard to get more realistic instrument pitch shifting or to map different sounds to each key on the keyboard.				
	Clip	Synchronize loops and quantize playback, e.g. drum loops and guitar tracks between one and eight measures long.		✓		
	Slicer	Independently trigger different sections of a WAV file.				✓
	Granular	Generate new sounds from your samples. The sample is played back in small portions about 10 to 200ms in length, called grains.	✓		✓	
	New Rec	Start recording a new WAV file or clear a WAV from a pad.				
	New Multi	Start recording a new set of WAVs for use in multi-sampling.				

USE MIDI AND CV INPUTS

Connect the bitbox mk2 to Control Voltage and MIDI sources to trigger pads, modulate parameters, and play pads chromatically.

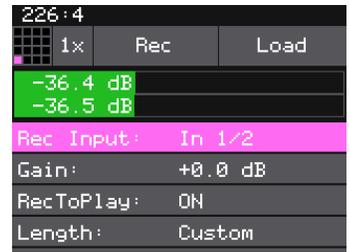
MIDI INPUT
Notes C2 (MIDI 36) through G2 (MIDI 43) will trigger pads.

GATE INPUTS
Send a High signal to trigger the pad.



RECORD A WAV FILE

1. Plug the audio source into the IN1 and IN2 jacks.
2. Touch a pad in the grid on the touchscreen to select it.
3. Press the INFO button. Clear the pad if needed to display the Load and Record screen.
4. Set Rec Mon to Auto or On if you want the input source to play through OUT1 and OUT2.
5. Touch the Rec button. The bitbox mk2 will start recording. Use the Rec Quant parameter to synchronize the timing of the recording with the clock. Recording will start when a signal is received if you set the Threshold parameter to On.
6. Touch the Stop button. The recording will end. If you configured a recording length, bitbox mk2 will stop recording when the target length is reached. The file will be saved in a folder with the same name as the preset under the \Presets folder on the microSD card.



Load and Record

CONTROL THE MIX

Push the Home button to open the Menu and then touch Mix. On the Mixer screen you can adjust the level and pan for the selected pad. Push the INFO button to switch to Mute mode. Touch a pad to toggle mute on and off.

LEVEL
Turn the top knob to adjust.

PAN
Turn the bottom knob to adjust.

Mixer

PAD
Touch to toggle mute state.

MUTED PAD
Red pads are muted.

Mixer - Mute Mode

ADJUST THE EFFECTS

Touch FX on the Menu screen to adjust the effect send for each pad to each effect.

PADS
Select a pad, then turn the left knob to adjust the Delay send, and the right knob to adjust the Reverb send.

SELECTED EFFECT
Touch to select an effect. Touch the INFO button to access the settings for the selected effect.

EFFECT METER
The send amount for the pad.

EFFECT INDICATOR
The blue triangle indicates the pad is sending to the corresponding effect.

Effect Sends

KNOB FOCUS
Touch a set of controls to change the focus.

BUTTON
Touch to turn on and off. (Blue is on.)

EFFECT PARAMETERS
Turn a knob to adjust the corresponding control.

Delay Parameters

ADJUST THE MASTER VOLUME

1. Touch Tools on the Menu to open the Tools screen.
2. Touch Main to open the Main tab. The four parameters are each controlled by the closest knob.
3. Turn the top right knob to adjust the MasterVol parameter.

Tools

LEARN MORE

Find How To Videos, the full User Manual, updated firmware and a support community at 1010music.com/mk2docs. Login to the support page to gain access to firmware downloads.

- ★ **Firmware & Content Downloads - bitbox mk2**
Downloads for bitbox, synthbox and fbox that will run on the bitbox MK2 module. Find the original preset and audio files from the microSD card.
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