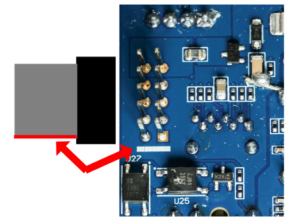


Bitbox Micro 2.2 Quick Start Guide

SETUP

1. Insert the microSD card into the MICRO SD slot, notched edge away from the screen.
2. Connect the narrow end of the ribbon power cable to the module, with the red side of the cable on the side of the header with a white bar.
3. Turn off your Eurorack then connect the wide end of the ribbon power cable to the Eurorack +12V power supply, with the red side of the cable aligned with pin 1 or the -12V pins on the power supply bus.
4. Mount the module into the rack and then power it up.
5. After boot up, the bitbox micro displays the Pads screen with a grid of WAV files loaded from one of the presets provided on the microSD card.
6. Connect Out 7 and Out 8 to your mixer or speakers.

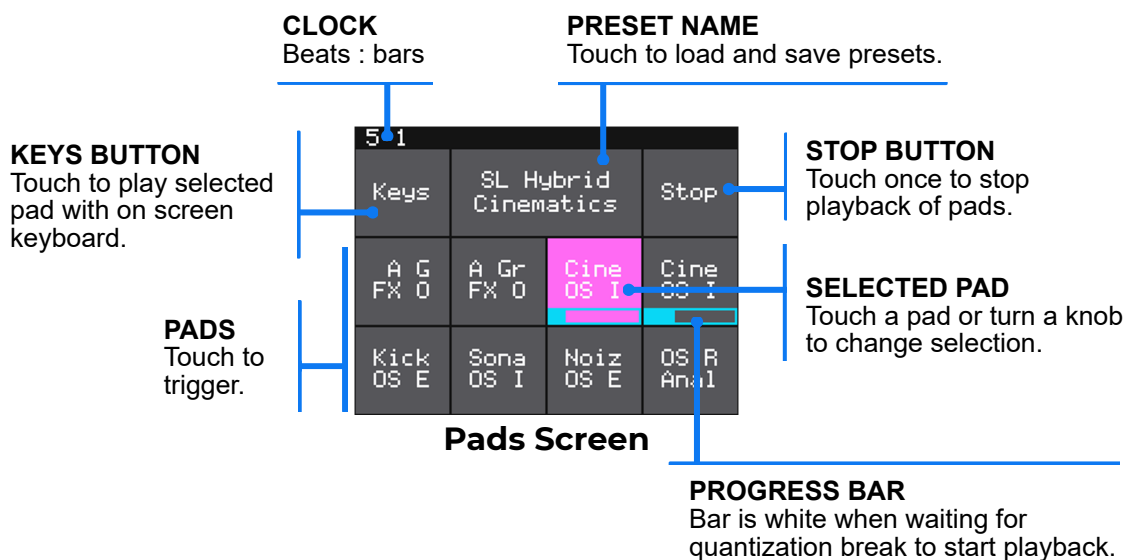
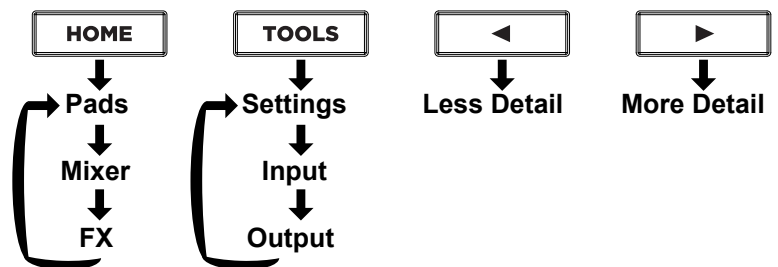


Ribbon Cable Orientation

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

OVERVIEW

When bitbox micro powers up, you see the Pads Screen. Touch a pad to trigger it. Push the Home and Tools buttons to cycle through the other screens. Push the arrow buttons to view more or less detail about the selected element. Turn the knobs to select elements and assign values.



NOTE:

- The bitbox micro does not automatically save your changes. Any unsaved changes will be lost when you load a preset or power down the module. Touch the Preset Name and then touch Save to commit the changes to the preset.

CONFIGURE A PAD

Push the Right Arrow 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.

Waveform

PLAYBACK RANGE (Pink) & LOOP POINTS (White)
Turn the top knob to select an end point to control. Turn the bottom knob to set the end point's position.

END POINT: VALUE
The name of the selected end point and it's current value.

PARAMETERS PAGE
Touch to change.





PARAMETERS
Top knob selects a parameter, bottom knob changes the value.

Parameters

MODULATION SLOTS
Push the right arrow button to configure.

SELECT A PAD MODE

Touch the Pad Mode button on the Waveform screen to select one of the following pad modes:

| Icon | Pad Mode | Description | Reverse Playback | Beat Sync | Set Loop Points | Play Slices |
|---|--------------|--|------------------|-----------|-----------------|-------------|
|  | Sample | Use to 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 | Use for synchronized loops and quantized playback, e.g. drum loops and guitar tracks between one and eight measures long. | | ✓ | | |
|  | Slicer | Use with a WAV file with different sections that you want to trigger independently. | | | | ✓ |
|  | 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 | Use to start recording a new WAV file or clear a WAV from a pad. | | | | |
| | New Multi | Use to start recording a new set of WAVs for use in multi-sampling. | | | | |

CLEAR A PAD

1. Select a loaded pad and push the Right Arrow 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.

INPUTS AND OUTPUTS

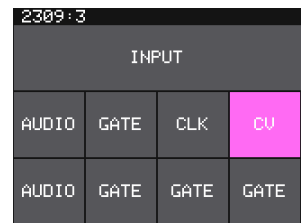
The bitbox micro has 8 input and 8 output ports. By default, all inputs are set to Gate mode. Outputs 7 and 8 are configured as the main audio outputs, playing audio routed to buses Out1 and Out 2 with FX applied. Push Tools to access the Inputs and Outputs screens, then turn the bottom knob to change the setting for the selected port.

| Connection Port | Configuration Options |
|-----------------|---|
| Inputs 1 – 2: | Gate, CV, Clock, Audio |
| Inputs 3 – 8: | Gate, CV, Clock |
| Outputs 1-8: | Assignable to Audio Buses Out1 - Out8, Out 1+FX and Out 2+FX. |

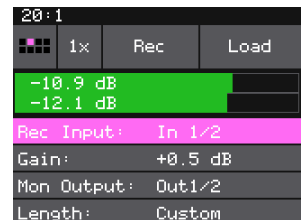
A gate signal on a Gate input will trigger the corresponding pad. Connect a controller to the MIDI In port to trigger pads and modulate parameters.

RECORD A WAV FILE

1. Configure the Inputs to Receive Audio:
 - Push Tools twice to go to the Input screen. The input grid maps to the array of input ports below the screen.
 - Turn the bottom knob with input 1 selected to choose Audio. Repeat for input 2.
 - Plug the recording source into Inputs 1 and 2.
2. Push Home. Select an empty pad and press the Right Arrow button to display the Load and Record screen.
3. Use the knobs to select parameters and assign values.
4. Touch the Rec button. The bitbox micro will start recording. The timing of the recording can be synchronized with the clock by using the Rec Quant parameter. Recording will start when a signal is received if you set the Threshold parameter to On.
5. Touch the Stop button to end recording. If you configured a recording length, bitbox micro 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.



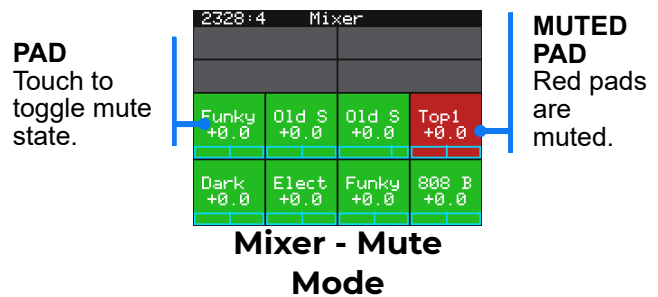
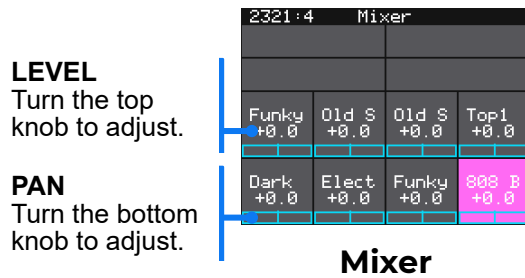
Input



Load and Record

CONTROL THE MIX

Push the Home button to access the Mixer screen. Here you can adjust the level and pan for each pad. Push the Right Arrow button to switch to Mute mode.

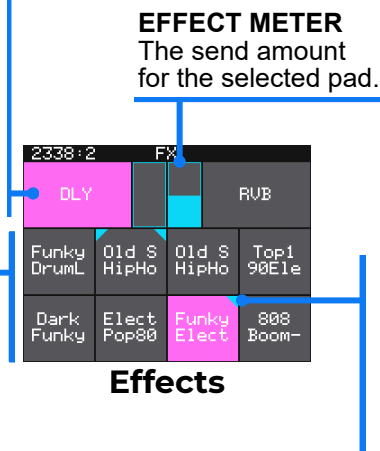


ADJUST THE EFFECTS

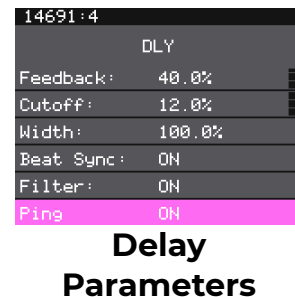
Push the HOME button twice to access the Effects screen. Here you can adjust the effect send for each pad to each effect.

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

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



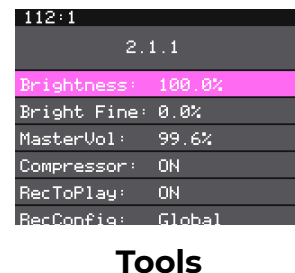
EFFECT INDICATOR
The blue triangle indicates an effect has been applied.



EFFECT PARAMETERS
The top knob selects a parameter, the bottom knob changes its value.

ADJUST THE MASTER VOLUME

1. Push the Tools button to open the Tools screen.
2. Turn the top knob to select the MasterVol parameter.
3. Turn the bottom knob to adjust the volume.



LEARN MORE

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