



usb charging can be disabled by holding screen and pressing e2 (the right-most piano key) this can sometimes cancel noise +

## transpose buttons

<b>change octave</b> press – or + to transpose the musical keyboard, and change the current octave	
<b>offset track</b> press and hold track together with – or + to shift all notes on the active track	+
<b>offset steps / micro timing</b> press and hold a step and repeatedly press – or + to shift timing of that step	+

## editing

<b>copy step</b> press and hold a lit step to copy it to memory.	hold
<b>paste step</b> whenever a step is copied to memory, pressing any empty step will paste it	→
<b>edit step</b> note hold a lit step and press notes to change the notes for that step	+
<b>add parameter lock</b> hold a lit step and turn any dial to set or edit the dial parameter for that step	+
<b>clear parameter locks</b> hold rec and stop and wait until all steps are lit. this will clear all parameter locks	+
<b>clear track</b> hold track and stop and wait until all step lights are lit	+
<b>note length</b> hold a lit step and press another step to set the duration of the held step	+
<b>micro timing</b> press and hold a step and press – or + to shift timing of that step 1 tick back or forward	+

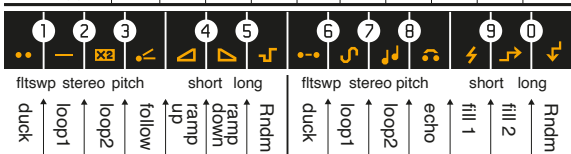
this tiny manual is made by submit.audio

## recording

<b>step by step recording</b> hold record while the sequencer is stopped use the keyboard to record notes step by step	+
<b>record lock</b> hold rec + play to lock recording mode all input is recorded without the need for holding down rec	+
<b>record arm</b> if the sequencer is stopped when holding rec + play then recording will be armed	+
<b>release record lock</b> press play or stop to release record lock if engaged	
<b>subtractive recording</b> press – while holding rec for subtractive recording mode. held notes will now be removed from active steps	+



component	1	2	3	4	5	6	7	8	9	0
pulse	count 1	count 2	count 3	count 4	count 5	count 6	count 7	count 8	count 9	rand
pulse hold	count 1	count 2	count 3	count 4	count 5	count 6	count 7	count 8	count 9	rand
multiply	X1	X2	X3	X4	X5	X6	X7	X8	brkn chord	quantize
velocity	-4	-3	-2	-1	default	+1	+2	+3	mute	rand
ramp up	2 stp 1 oct	3 stp 1 oct	4 stp 1 oct	5 stp 1 oct	6 stp 1 oct	2 stp 3 oct	3 stp 3 oct	4 stp 3 oct	5 stp 3 oct	6 stp 3 oct
ramp down	2 stp 1 oct	3 stp 1 oct	4 stp 1 oct	5 stp 1 oct	6 stp 1 oct	2 stp 3 oct	3 stp 3 oct	4 stp 3 oct	5 stp 3 oct	6 stp 3 oct
random	2 stp 1 oct	3 stp 1 oct	4 stp 1 oct	5 Stp 1 Oct	6 Stp 1 Oct	2 Stp 3 Oct	3 Stp 3 Oct	4 Stp 3 Oct	5 Stp 3 Oct	6 Stp 3 Oct
porta-mento	glide 1	glide 2	glide 3	glide 4	glide 5	glide 6	glide 7	glide 8	direct	rand
sweep	filter up	filter down	synth up	synth down	pan	fit up long	fit down long	sy up long	sy down long	pan
tonality	no chrd progr	trnsp only	offset oct	offset fifth	offset third	chrm up	chrm down	quant 1	quant 2	quant 3
jump	jmp to start	jmp to 2/4	jmp to 3/4	jmp to 4/4	jump forw	jump back	jmp to rand	stay	align to glob trk	gate step
ignore param	1	12	123	1234	12345	123456	1234567	12345678	rand	reset count
ignore compo	1	12	123	1234	12345	123456	1234567	12345678	rand	reset count
ignore trigger	1	12	123	1234	12345	123456	1234567	12345678	rand	reset count



## track parameters

<b>step count</b> with step count you can decide the number of steps that a track will use	
<b>step length</b> you can set a step length multiplier to extend the duration of each step	
<b>randomize preset</b> to randomize a new preset hold track and press rec. come up with new sounds	
<b>kill track notes</b> while the sequencer is playing you can hold track and press stop to kill all active notes	

## project

<b>chain patterns</b> press and hold project and press play to enter chain mode. keep holding project and select up to 32 patterns to create a pattern	
<b>copy pattern</b> press and hold project and press shift once to copy the currently active pattern	
<b>paste pattern</b> keep holding project and press the destination pattern 1-16 to paste it	
<b>copy settings</b> press and hold project and press shift twice to copy the currently active pattern settings	
<b>paste settings</b> keep holding project and press the destination pattern 1-16 to paste the settings	
<b>copy track</b> press and hold project and press shift twice to copy the currently active pattern settings	
<b>paste track</b> keep holding project and press the destination pattern 1-16 to paste the settings	
<b>clear pattern</b> press and hold project and stop and wait for the bar to fill up. when full the pattern is cleared	
<b>clear project</b> press and hold project and stop and shift to clear the entire project	
<b>bounce pattern</b> press and hold project and rec to render a 10 second audio file of the current pattern. the audio file will be saved to disk along with a copy of the project. you can store up to 5 bounces	
<b>snapshot</b> hold project and + to store a snapshot of the current project. previous snapshot will be overwritten	
<b>recall snapshot</b> hold Project and - to recall the stored project snapshot	

## chord progressions

<b>playback speed</b> hold track + shift and choose playback speed using the value keys	
<b>note styles</b> there are two styles on the master track - latch and free. note style is set by holding track and turning the blue dial latch quantizes to even steps without micro timing and programmed notes stay active until the end of the bar. free has micro timing and no latching.	

## sampling

<b>create user sample</b> hold track together with an empty slot 1-0 to create a new user sample pack	
<b>remove user sample</b> hold track together with an existing user slot for three sec. to remove sample pack	
<b>enter sample mode</b> press and hold stop + rec to enter sample mode. this is where you record and tweak	
<b>exit sample mode</b> press stop while in sample mode to exit and return to normal operation	
<b>preview input</b> press play to toggle previewing of the active input source on or off	
<b>toggle test tone</b> press track to toggle a test tone of 440 hz on or off. this corresponds to the middle A note	
<b>test tone volume</b> adjust the volume of the test tone by pressing and holding track while turning the green dial	
<b>input gain</b> press and hold shift and press the top track buttons 1 - 16 to adjust input gain	
<b>sample</b> press and hold rec to start recording from the active input source. release rec to stop recording	

## other shortcuts

<b>delete selected step/note</b> in the sequencer	
<b>Select midi settings</b> on/off and channels	
<b>Content mode for backup</b>	
<b>Firmware upgrade mode</b>	
<b>Factory reset</b>	

### Trigger in Oplab

Connect to the external gear that will transmit the trigger. This typically send a pulse between 5v to 10V as the trigger level. Press (Track) + Step (1) - (16) to select the track to arm for single stepping by a trigger input. Press (Track) + (Shift) + (0) Value Key to set the track length to 0 and hence arm the track.