

TEKNOB PRODUCT MANUAL

: SLIDERS : (ONSCREEN SLIDERS)

TOP 2 SLIDERS:

(THESE 2 ARE CONSTANT)

- VOLUME: Controls main audio volume (for ear safety, it's advisable to not use at max volume with headphones for very long durations).
- BPM: Controls tempo of sequencer.

BOTTOM 2 SLIDERS:

(THESE ARE MULTIPLE GROUPS OF THESE, SELECTABLE WITH CENTER BLACK BUTTON BETWEEN THE LEFT AND RIGHT SLIDER PANELS)

- MODULATOR: Controls filter modulation amount.
- BOOSTERS: Controls a special extra per-note filter modulation envelope that boosts filter modulation on notes BOOSTER is active on.
- DRUMS VOL: Controls drumkit audio volume.
- SYNTH VOL: Controls synthesizer audio volume.
- WAVEFORM: Controls synthesizer waveform along a gradient starting from square wave on left to saw wave on right.
- TUNING: Controls tuning of synthesizer.
- ENC DEC: Controls duration of general filter envelope modulation that applies to all notes when filter modulation is active.
- RESONANCE: Controls synthesizer filter resonance.
- DELAY OFFSET: Controls tempo-synched delay effect's offset (though first portion of slider on left controls non-tempo-synched reverb).
- DELAY AMOUNT: Controls tempo-synched delay effect's audio mix (mixed with main synthesizer). Delay and reverb are on synth only.

: BUTTONS :

CENTER BLACK BUTTON:

(BLACK BUTTON TO CHOOSE WHAT SLIDERS SHOW ON BOTTOM. ALSO DISPLAYS BPM, FILTER CUTOFF, AND FILTER MOD AMOUNTS.)

- Cycles through onscreen slider groups on bottom of screen (top 2 sliders are always same).

LEFT GROUP OF BUTTONS:

(LEFT 4 BUTTONS ARE CONSTANT)

- PLAY: Starts the sequencer. (Note: Must press PLAY once after turning on NEOTRON before editing a synthesizer or drum pattern.)
- STOP: Stops the sequencer.
- SYNTH: Toggles synthesizer mute.
- DRMS: Toggles drums mute.

RIGHT GROUP OF BUTTONS:

(VARIOUS GROUPS OF BUTTONS THAT ARE CYCLED THROUGH BY PRESSING THE OPT BUTTON)

OPT1 RIGHT 4 BUTTONS STATE:

- SAVE: Saves the currently playing synthesizer patterns.
- GNR8: Generates a new musically harmonious synthesizer pattern (all notes in same key).
- EDIT: 1st press switches to synth sequence editor, 2nd press to drum sequence editor, 3rd press saves. Must press PLAY once to edit.
- OPT1: Switches the right 4 top row buttons to next set of OPTION buttons (OPT2).

OPT2 RIGHT 4 BUTTONS STATE:

- WAVE: Toggles the waveform between square and saw. Color stays blue, because the WAVEFORM slider can crossfade the waveform also.
- DRIV: Toggles overdrive effect on synthesizer.
- RVRB: Toggles reverb effect on synthesizer (Note: Delay sliders override reverb button, and vice-versa).
- OPT2: Switches the right 4 top row buttons to next set of OPTION buttons (OPT3).

OPT3 RIGHT 4 BUTTONS STATE:

- TCTR: Re-centers the synthesizer tuning.
- SDSV: Saves all the synthesizer and drum patterns to 01TRON folder in SD card (if an SD card is inserted and properly formatted).
- SDLD: Loads all the synthesizer and drum patterns from 01TRON folder in SD card (if an SD card is inserted and there are any on SD card).
- OPT3: Switches the right 4 top row buttons to next set of OPTION buttons (OPT4).

OPT4 RIGHT 4 BUTTONS STATE:

- ROBO: Toggles the special ROBOTRONIC oscillator mode. When active, waveform is set to square and “DRIV” (overdrive) is turned off.
- LPLN: Cycles between sequencer loop mode lengths. Loop length is shown under BPM on center black button.
- LOOP: Toggles sequencer loop mode on and off. Note: Selecting other sequences isn’t audible when loop mode on.
- OPT4: Switches the right 4 top row buttons to next set of OPTION buttons (OPT5).

Note: The loop mode is designed so that a drum roll can be selected, then loop mode activated (in longer length mode), then loop length shortened to build a crescendo, then (while loop mode is still active with shortest loop length) the main core song drum pattern can be selected (to be staged for the peak), and finally loop mode is turned off to drop the song into its full-on main section with main drum pattern.

OPT5 RIGHT 4 BUTTONS STATE:

- AGN8: Auto-generates a pattern every 8 measures.
- FSWP: Auto-cycles filter cutoff frequency in synthesizer linearly from low to high (press twice for faster cycling). Knob deactivates this.
- COMP: Controls side-chain compression amount. Blue is minimum, pink is medium, and purple is maximum.
- OPT5: Switches the right 4 top row buttons to next set of OPTION buttons (OPT1).

OUTER RING BUTTONS – RIGHT SIDE:

(SYNTHESIZER PATTERN SELECTION)

- 1 - 7: Select a synthesizer pattern from 1 to 7 in the current synthesizer pattern bank.
- A/B: Top A/B button cycles between synthesizer pattern banks.

OUTER RING BUTTONS – LEFT SIDE:

(DRUMKIT PATTERN SELECTION)

- 1 - 7: Select a drumkit pattern from 1 to 7 in the current pattern bank. Pattern 7 drum roll is not editable, because of high velocity range.
- A/B: Bottom A/B button cycles between drumkit pattern banks.

: KNOB :

THE BIG METAL KNOB:

(FILTER CUTOFF FREQUENCY)

- Turning the knob controls the cutoff frequency of the filter in the synthesizer.