

NEOTRON PRODUCT MANUAL

: SLIDERS : (ONSCREEN SLIDERS)

LEFT 2 SLIDERS:

(THESE 2 ARE CONSTANT)

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

RIGHT 2 SLIDERS:

(THERE ARE MULTIPLE GROUPS OF THESE THAT CAN BE CYCLED THROUGH USING THE CENTER BLACK BUTTON BETWEEN THE SLIDER PANELS)

- BOOSTERS: Controls a special extra per-note filter modulation envelope that boosts filter modulation on notes BOOSTER is active on.
- RESONANCE: Controls synthesizer filter resonance.
- SYNTH VOL: Controls synthesizer audio volume.
- DRUMS VOL: Controls drumkit audio volume.
- TUNING: Controls tuning of synthesizer.
- WAVEFORM: Controls synthesizer waveform along a gradient starting from square wave on left to saw wave on right.
- DELAY VOLUME: Controls tempo-synched delay effect's audio volume (mixed with main synthesizer). Delay and reverb are on synth only.
- DELAY OFFSET: Controls tempo-synched delay effect's offset (though first portion of slider on left controls non-tempo-synched reverb).
- BOOSTER LEN: Controls duration of special extra per-note filter envelope modulation on notes BOOSTER is active on.
- MODUL8R LEN: Controls duration of general filter envelope modulation that applies to all notes when filter modulation is active.

: BUTTONS : (FROM TOP TO BOTTOM)

CENTER BLACK BUTTON:

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

- Switches between onscreen slider groups on right (left 2 sliders are always same).

TOP ROW LEFT 4 BUTTONS:

(LEFT 4 BUTTONS ARE CONSTANT. RIGHT 4 BUTTONS CHANGE WHEN OPT BUTTON PRESSED.)

- 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.

TOP ROW RIGHT 4 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 of button switches to synth sequence editor. 2nd press switches to drum sequence editor. 3rd press saves the sequences.
- 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. It remains 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).
- SDDL: 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 (OPT1).

ROW 2 OF BUTTONS:

(SYNTHESIZER PATTERN SELECTION)

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

ROW 3 OF BUTTONS:

(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: Cycles between drumkit pattern banks.

: KNOBS :**LEFT KNOB:**

(FILTER MODULATION AMOUNT)

- TURNING: Controls filter modulation amount.
- LOOP: Toggles sequencer loop mode on and off. Note: Selecting other sequences isn't audible when loop mode on.

RIGHT KNOB:

(FILTER CUTOFF FREQUENCY)

- TURNING: Controls filter cutoff frequency.
- PRESSING KNOB BUTTON: Cycles between sequencer loop mode lengths. Loop length is shown under BPM on center black button.

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.