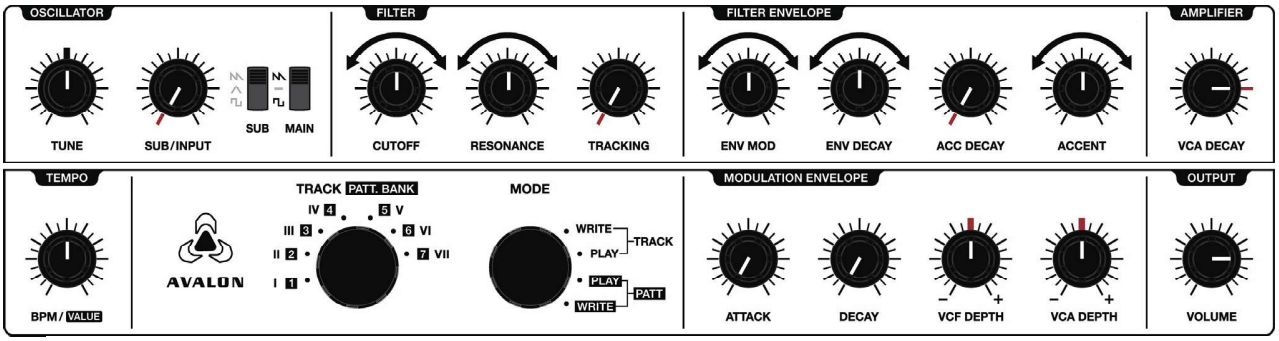
13 TB-303 SETTINGS



13.1 ANALOG VOICE

The analog voice is backwards compatible with the TB-303. The additional features can be viewed as a *layer on top* of the original TB-303 subset of controls. To limit the Avalon sound capabilities to that of the TB-303 use the settings as shown above and described below:

13.1.1 OSCILLATORS

The sub oscillator should not be used. Set the ***SUB/INPUT*** control to the minimum setting.

13.1.2 FILTER

If the exact ***CUTOFF*** range of the TB-303 is desired see Appendix A for adjustment options. The Avalon ships with default settings that give an extended range.

TRACKING should be set the minimum (off) setting as it is not found on the TB-303.

13.1.3 FILTER ENVELOPE

If the exact range of ***ENV MOD*** (filter envelope modulation) is desired see Appendix A for adjustment options. The Avalon ships with default settings that allow envelope modulation to be turned off completely when the control is a the minimum setting.

Set the ***ACC DECAY*** control to minimum as this corresponds to the fixed setting of the TB-303.

13.1.4 VCA ENVELOPE

The TB-303 has a fixed VCA Decay time of 3s. This is equivalent to the 3 o'clock position of the ***VCA DECAY*** control.

13.1.5 MODULATION ENVELOPE

The modulation envelope should not be used. Set the ***VCF DEPTH*** and ***VCA DEPTH*** controls to the center-off position.

13.2 SEQUENCER

To limit the sequencer to TB-303 behavior you'll have to ignore several pattern write modes and the additional pattern step attributes.

13.2.1 PATTERN WRITE MODES

To program the sequencer like the TB -303 use PITCH & TIME STEP ENTRY MODES as described in section 5.3. You will still need to set the pattern length as described in section 5.2.3.1.

The TB-303 does not include the following pattern write modes:

- Normal Mode
- Realtime Mode
- Record Mode

13.2.2 PATTERN MODIFIERS

Do not use the following pattern modifiers *(the default settings correspond to the TB-303):*

- Pattern Length (use 16 steps max)
- Pattern Direction
- Shuffle
- Pattern Rotate
- Pattern Randomize
- Filter B Mode

13.2.3 PATTERN STEP ATTRIBUTES

Do not use the following step attributes *(the default settings correspond to the TB-303):*

- Modulation Envelope Triggers
- Slide Time
- Filter CV Offset
- Gate Length
- Active Steps