



**AWaves**  
Multi-Waveform Digital Oscillator

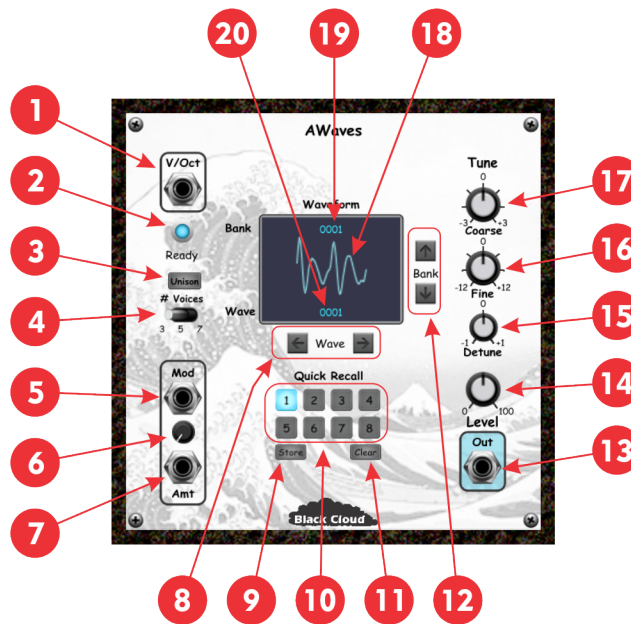
## Introduction

A digital oscillator using the "Adventure Kid" single-cycle waveform collection as it's wave library. There are several thousand (!) waveforms spread across 65 banks. The oscillator supports up to 7 voice unison with adjustable detuning.

8 "Quick Recall" slots provide easy access to favorite waveforms, the output level is adjustable and there's a modulation input that drives the oscillator frequency for effects from vibrato to FM.

Thanks to Kristoffer Ekstrand for the fantastic collection of waves. Learn more about them here: <https://www.adventurekid.se/akrt/waveforms/adventure-kid-waveforms/>

## Knobs, Buttons and Sliders



<p><b>1 V/Oct Input</b> Controls the output pitch of the oscillator.</p>	<p><b>11 Quick Recall Clear</b> Clears the current Quick Recall slot.</p>
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<b>2</b>	<b>“Ready” LED</b> Blinks while the module is initializing, on steadily when ready.	<b>12</b>	<b>Bank Select: Next, Previous</b> Select the next or previous available bank of waveforms.
<b>3</b>	<b>Unison Mode</b> Activates unison mode.	<b>13</b>	<b>Output</b> Oscillator output.
<b>4</b>	<b>Unison Voices</b> Controls the number of voices used in Unison mode (3, 5, or 7).	<b>14</b>	<b>Output Level</b> Limits the output level (0 – 100%).
<b>5</b>	<b>Modulation Input</b> Modulates the oscillator output pitch.	<b>15</b>	<b>Detune (Cents)</b> Adjust the output pitch for a given input voltage by up to $\pm 100$ cents. In unison mode, controls the spread of the additional unison voices.
<b>6</b>	<b>Modulation Gain</b> Limits the amount of modulation input applied.	<b>16</b>	<b>Fine Tune (Semitones)</b> Adjust the output pitch for a given input voltage by up to $\pm 12$ semitones.
<b>7</b>	<b>Modulation Amount Input</b> Control modulation amount via CV. Works in conjunction with the modulation gain knob.	<b>17</b>	<b>Coarse Tune (Octaves)</b> Adjust the output pitch for a given input voltage by up to $\pm 3$ octaves.
<b>8</b>	<b>Wave Select: Next, Previous</b> Select the next or previous waveform in the current bank.	<b>18</b>	<b>Waveform Display</b> Static display of the currently selected waveform.
<b>9</b>	<b>Quick Recall Store</b> Updates the current Quick Recall slot with current waveform selection and tuning.	<b>19</b>	<b>Bank Name</b> The name of the currently selected wave bank.
<b>10</b>	<b>Quick Recall Slots</b> Recall the contents of a Quick Recall slots and make that slot the current slot. bank.	<b>20</b>	<b>Wave Name</b> The name of the currently selected waveform (within the current bank).