

Mkvab.exe

Outline

Builds a sound source bank format VAB originating with the wave pattern data group VAG format created on aiff2vag.exe and the definition file which creates the attributes table.

Use

mkvab [option] vag-files...

Options

-f def_file

Specifies definition file def_file for creating attribute table .

-r vab_file

Analyzes the VAB file and outputs attribute definition file.

-o out_file

Specifies output file.

Limitation

This version has the following limitation:

Since the VAB file size and each VAG size are automatically calculated, the specified numerical value will be ignored.

Attribute Definition File

VabHdr (Attribute definitions throughout VAB)

<u>Label</u>	<u>Value</u>	<u>Explanation</u>
form	'VABp'	Format identifier
ver	7	Format version number
id	0	VAB ID (Always 0)
fsize	0	File Size (mkvab automatically calculates)
ps	0~128	Total number of programs included in VAB
ts	0~2048	Total number of tones included in VAB
vs	0~254	Total number of VAG included in VAB

ProgAtr (Program (equivalent to musical instrument) level attribute definitions)

<u>Label</u>	<u>Value</u>	<u>Explanation</u>
tones	4	Number of tones included in program
mvol	0~127	Volume value of program
mpan	0~127	Panning value of program

VagAtr (Tone Level Attribute Definitions)

<u>Label</u>	<u>Value</u>	<u>Explanation</u>
prior	0~127	Tone priority. Larger values have priority.
mode	0,4	If set to 4, reverb effect is obtained. **
vol	0~127	Volume value of tone
pan	0~127	Panning value of tone
center	0~127	Center note (half tone unit)
shift	0~127	Fine tuning of center note
min	0~127	Minimum value of note remit
max	0~127	Maximum value of note remit
pbmin	0~127	Maximum value of downward-direction pitch bend (half tone unit)
pbmax	0~127	Maximum value of upward-direction pitch bend (half tone unit)
ar	0~127	Attack rate
dr	0~15	Decay rate
sr	0~127	Sustain rate
rr	0~31	Release rate
sl	0~15	Sustain level
prog	0~127	Program number belonging to tone

** In order to obtain reverb effect, a reverb setting on a special sound function is necessary.

Supplement

ADSR (envelope), i.e. rates for attack, decay, sustain and release can be set singly and in the time change, a linear and exponentially functional curve can be set. Also, with sustain, it is also possible to set the level.

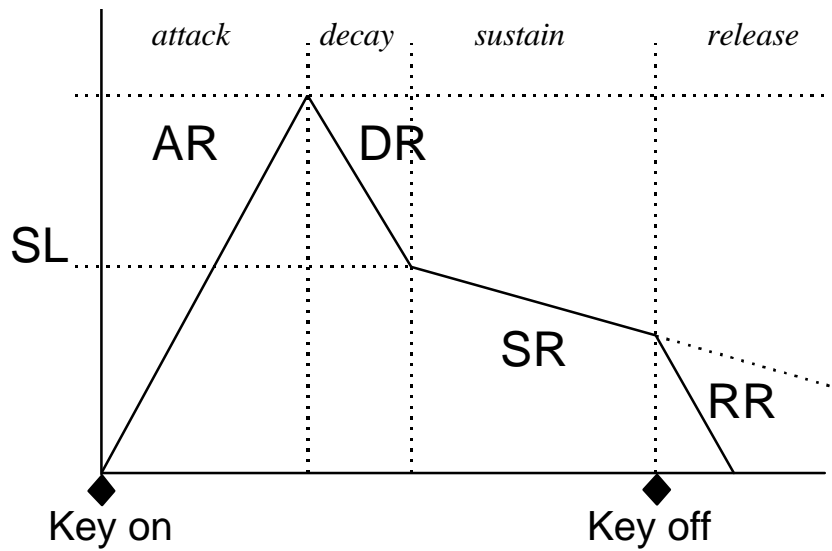


Figure: ADSR Concept Drawing