

AquesTone

OWNER'S MANUAL

1. Overview

AquesTone is a vocal synthesizer VST instrument plug-in for Windows PC and will run under a VST hosting application such as Cubase.

- Real-time generation of a singing voice from MIDI data and a lyrics file.
- Uses Japanese phoneme set.
- Lyrics file (written in ASCII character) can be edited with a text editor.
- Low CPU usage.

2. Configuration

AquesTone generates a singing voice from MIDI data and a lyrics file. In addition, it can control various parameters, vibrato, pitch bend, etc. by MIDI control change



3. Install

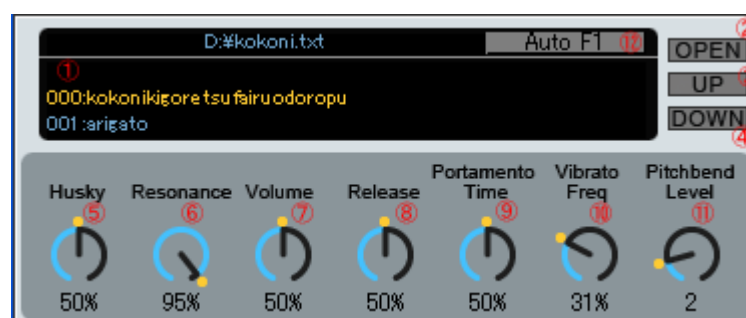
To play the AquesTone, you will need a VST host application.

Download the archive, unzipping, and copy AquesTone.dll file onto the folder by which the host application specifies. For example, if you use CUBASE AI4, copy it to "C: /Program Files/Steinberg/Cubase AI 4/ VSTPlugins".

4. Lyrics file

AquesTone has only the phoneme set of Japanese (Basically, a Japanese syllable consists of the consonant and the vowel). The lyrics file is made with the text editor beforehand. It is possible to describe lyrics by ASCII code according to the *phoneme table* below. Lyrics are described while phrasing changing line usually. AquesTone can change focus line of lyrics by MIDI control change (CC:10). The lyrics file specified number of lines available is 127 lines.

5. Panel and Parameters



1. Lyrics area

Lyrics are displayed here of three lines at a time. Focus line is displayed in orange.
Before the Lyrics "000:" line number is displayed.
The lyrics file can be dropped here.

2. Open

Select a lyrics file and load it.

3. Up CC: 10, nn (nn is line number) or CC:51

Change the focus line of lyrics to before.

4. Down CC: 10, nn (nn is line number) or CC:50

Change the focus line of lyrics to after.

5. Husky CC: 74

Set the balance of intensity between voiced and unvoiced.

6. Resonance CC: 71

Set the resonance of formant.

7. Volume CC: 7

Set the volume of the voice.

8. Release CC: 73

Set the release time at note-off event.

9. Portamento Time CC: 5

Set the portamento speed.

10. Vibrato Freq NRPN: 0108H

Set the vibrato period of voice.

11. Pitch-bend Level RPN: 0000H

Set the range of pitch-bend.

12. Phont

Select the voice character. Click here and select it from drop down list.

6. Phoneme Table

a	ka	sa	ta	na	ha	ma	ya	ra	wa	n	ga	za	da	ba	pa
i	ki	si	ti	ni	hi	mi		ri			gi	zi		bi	pi
u	ku	su	tu	nu	fu	mu	yu	ru			gu	zu		bu	pu
e	ke	se	te	ne	he	me		re			ge	ze	de	be	pe
o	ko	so	to	no	ho	mo	yo	ro	wo		go	zo	do	bo	po
kya	sya	cya	nya	hya	mya	rya	gya	jya		tso	fa	bya	pya	swi	twu
kyu	syu	cyu	nyu	hyu	myu	ryu	gyu	jyu	wi	tsi	fi	byu	pyu	thi	dwu
kye	sye	cye	nye	hye	mye	rye	gye	jye	we	tse	fe	bye	pye		dhu
kyo	syo	cyo	nyo	hyo	myo	ryo	gyo	jyo		tso	fo	byo	pyo	dhi	thu

7. MIDI Implementation Chart

AquesTone

MIDI implementation Chart

Ver.0.7.5.1

Function		Transmitted	Recognized	Remarks
Basic Channel	Default	x	1-16	
	Changed	x	x	
Mode	Default	x	Mode2	
	Messages Changed	x *****	x *****	
Note Number		x	0-127	
		x	*****	
Velocity	Note ON	x	o9nV=1-127*1	
	Note OFF	x	o9nH V=0 o8nH V=0-127	
After Touch	Key's	x	x	
	Ch's	x	o	
Pitch Bender		x	o	
Control Change		1 x	o	Modulation
		5 x	o	Portamento
		6,38 x	o(Dis 38)	Data Entry
		7 x	o	Volume
		10 x	oj=0-127 *2	Change Lyrics focus line
		50 x	o	Next lyrics focus line
		51 x	o	Before lyrics focus line
		71 x	o	Resonance
		73 x	o	Release Time
		74 x	o	Husky
		122 x	o122 0 o122 1	Change Lyrics Top Change Lyrics Bottom
		98,99 x	o*4	NRPN LSB,MSB
	100,101 x	o*3	RPN LSB,MSB	
Prog Change	True #	x *****	o0-15 *****	
System Exclusive		x	x	
Common	Song Position	x	x	
	Song Select	x	x	
	Tune	x	x	
Realtime	Clock	x	x	
	Command	x	x	
Aux Messages	All Sound Off	x	x	
	Reset All Controller	x	x	
	Local ON/OFF	x	x	
	All Note OFF	x	o (123)	
	Active Sense	x	x	
	System Reset	x	x	
Notes		*1:Transition Speed (not Intensity) *2:move to line "j" *3 : Only RPN(00H 00H): Pitch bend sensibility *4 : Only NRPN(MSB:01H LSB:08H): Vibrato rate		

8. Thanks

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