

VOCALOID1とVOCALOID2で使用されているNRPNのまとめです。
 VOCALOID1については独自研究、VOCALOID2については「VOCALOID2オーナーズ・マニュアル日本語版」の誤記を修正した物を掲載しています。
 VOCALOID 1 とVOCALOID 2 とで違う部分に色をつけてみました。

Channel Voice Message

Note Message

MSB	LSB	DataMSB	DataLSB	VOCALOID2	VOCALOID1
50	00	00-7f	00-7f	MSB:version number, LSB:device number	
50	01	00-7f	00-7f	delay in millisec	
50	02	00-7f	-	note number	
50	03	00-7f	-	velocity	
50	04	00-7f	00-7f	note duration in millisec	
50	05	00-03	-	note location 00:前後共に連続した音符がある 01:後ろにのみ連続した音符がある 02:前にのみ連続した音符がある 03:前後どちらにも連続した音符が無い	
50	06	00-7f?	00-7f?	(reserved, not used)	attack type 例： DataMSB=0x00, DataLSB=0x00
50	07	00-7f?	00-7f?	(reserved, not used)	attack duration in millisec
50	08	00-7f?	-	(reserved, not used)	attack depth 例：DataMSB=0x40
50	09-0B	-	-	reserved, not used	
50	0C	00-7f	00-7f	Index of Vibrato DB	
50	0D	00-7f	00-7f	MSB: index of Vibrato type LSB:Duration & continuation parameter 00:vibrato continued to next note 01:vibrato ends with this note	
50	0E	00-7f	-	vibrato delay	
50	0F-10	-	-	reserved, not used	
50	11	00-7f	-	(reserved, not used)	意味は不明、例： DataMSB=0x01
50	12	00-6b	-	number of phonetic symbols in bytes	
50	13-4e	00-7f	(00-7f)	MSB:phonetic symbol, LSB:consonant adjustment(symbolが子音の場合)	
50	4f	00-7f	-	phonetic symbol continuation 0x7f=end of phonetic symbols, 0x00=continue	(not used(!))

50	50	00-3c	-	v1mean in cent/5	(not used)
50	51	08-28	-	d1mean in millisecc/5	(not used)
50	52	14	-	d1meanFirst Note in millisecc	(not used)
50	53	1c-78	-	d2mean in millisecc/5	(not used)
50	54	0a-3c	-	d4mean in millisecc/5	(not used)
50	55	00-32	-	pMeanOnsetFirstNote in Cent/5	(not used)
50	56	05-1e	-	vMeanNoteTransition in Cent/5	(not used)
50	57	05-1e	-	pMeanEndingNote in Cent/5	(not used)
50	58	00-03	-	AddScoopToUpIntervals & AddPortamentoToDownIntervals MSB=(AddScoopToUpIntervals ? 1 : 0)+(AddPortamentoToDownIntervals ? 2 : 0)	(not used)
50	59	00-64	-	changeAfterPeak	(not used)
50	5b-7e	-	-	reserved, not used	
50	7f	0, 7f	-	00: continue, 7f:end of note message	

Control Message

Bank Select

MSB	LSB	DataMSB	DataLSB	VOCALOID2	VOCALOID1
60	00	00-7f	00-7f	MSB: version number, LSB:device number	
60	01	00-7f	00-7f	delay in millisecc	
60	02	00-7f	(00-7f)	bank select	

Channel Volume

MSB	LSB	DataMSB	DataLSB	VOCALOID2	VOCALOID1
61	00	00-7f	00-7f	MSB: version number, LSB:device number	
61	01	00-7f	00-7f	delay in millisecc	
61	02	00-7f	-	volume	

Panpot

MSB	LSB	DataMSB	DataLSB	VOCALOID2	VOCALOID1
62	00	00-7f	00-7f	MSB: version number, LSB: device number	

62	01	00-7f	00-7f	delay in millisec
62	02	00-7f	-	pan

Dynamics

MSB	LSB	DataMSB	DataLSB	VOCALOID2	VOCALOID1
63	00	00-7f	00-7f	MSB: version number, LSB: device number	
63	01	00-7f	00-7f	delay in millisec	
63	02	00-7f	-	dynamics	

Vibrato Rate

MSB	LSB	DataMSB	DataLSB	VOCALOID2	VOCALOID1
64	00	00-7f	00-7f	MSB: version number, LSB: device number	
64	01	00-7f	00-7f	delay in millisec	
64	02	00-7f	-	vibrato rate	

Vibrato Depth

MSB	LSB	DataMSB	DataLSB	VOCALOID2	VOCALOID1
65	00	00-7f	00-7f	MSB: version number, LSB: device number	
65	01	00-7f	00-7f	delay in millisec	
65	02	00-7f	-	vibrato depth	

Effect2 Depth

MSB	LSB	DataMSB	DataLSB	VOCALOID2	VOCALOID1
66	00	00-7f?	00-7f?	(not used)	Effect2 Depth, MSB:version number?, LSB:device number?
66	01	00-7f?	00-7f?	(not used)	Effect2 Depth, delay in millisec?
66	02	00-7f	-	(not used)	Effect2 Depth(Tremolo Depth)

Pitch Bend Sensitivity

MSB	LSB	DataMSB	DataLSB	VOCALOID2	VOCALOID1
-----	-----	---------	---------	-----------	-----------

67	00	00-7f	00-7f	MSB: version number, LSB: device number
67	01	00-7f	00-7f	delay in millisec
67	02	00-7f	00	MSB: pitch bend sensitivity, LSB: fixed to 0x00

Program Change

MSB	LSB	DataMSB	DataLSB	VOCALOID2	VOCALOID1
53	00	00-7f	00-7f	MSB: version number, LSB: device number	
53	01	00-7f	00-7f	delay in millisec	
53	02	00-7f	-	program change value	

Pitch Bend

MSB	LSB	DataMSB	DataLSB	VOCALOID2	VOCALOID1
54	00	00-7f	00-7f	MSB: version number, LSB: device number	
54	01	00-7f	00-7f	delay in millisec	
54	02	00-7f	00-7f	pitch bend value	

Realtime Message

Voice Change Parameters

MSB	LSB	DataMSB	DataLSB	VOCALOID2	VOCALOID1
55	00	00-7f	00-7f	Voice Change Parameter	Voice Change Parameter
55	01	00-7f	00-7f	delay in millisec	delay in millisec

55	02	00-7f	-	voice change parameter ID 31:breathiness 32:brightness 33:clearness 34:portamento timing 35:opening 70:gender factor	voice change parameter ID 30:harmonics 31:noise 32:brightness 33:clearness 34:portamento timing 40:reso1freq 41:reso2freq 42:reso3freq 43:reso4freq 50:reso1bw 51:reso2bw 52:reso3bw 53:reso4bw 60:reso1amp 61:reso2amp 62:reso3amp 63:reso4amp 70:gender factor
55	03	00-7f	-	voice change parameter value	voice change parameter value