VLF-MA2

(FM Voice Library for MA-2)

Version 1.2.0

2003/12/22

YAMAHA Corporation

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\<History\>

Ver.	Date	Description
1.0.0	2001/8/2	MA-2 Voice library Newly release
1.1.0	2002/11/13	File name was changed to VLF-MA2. VLF-MA2 Newly release
1.2.0	2003/12/22	1. Description of introduction was changed.。 2-1. A clerical error of voice name in Voice map of GMBankSet was corrected. 　　SquareLd-3 → PoweredLd 2-2. A clerical error of voice name in Voice map of CategoryBankSet was corrected. 　　SquareLd-3 → PoweredLd 2-3. A voice map of EthnicBankSet was added. 　Voice correspondence table of V1.0.0 and V1.1.0 was deleted. 3. Description of Sample file was changed. 4. File configuration was updated.

1. Introduction of VLF-MA2 (FM Voice Library for MA-2)

This voice library extends the voice data of MA-2 authoring tool.
By loading this on VED-MA2 [VoiceList window] of MA-2 authoring tool, the voice which is different from default voice, is easily realizable.

All vma voice list files are the data types of a Bank unit.
When you load them on [VoiceList window] of VED-MA2 (or Voice Library), you can load them to favorite Bank. It is possible to use together with the voices created by yourself until now, and favorite voices.
(For the detailed procedure, please refer to "Users Manual", it is attached to the authoring tool.)

Moreover, there are three kinds Bank set of the vma voice list file in this library, the file arranged along with the list of GM [GM Bank Set] and the file arranged according to the category of musical instrument [Category Bank Set], and the file in which the voice of ethnic instrument is mentioned [Ethnic Bank Set].
At creating music data, it can also be used properly according to the work method or situation.
(Even if the array method is different, the voice data of a same name are the same contents.)

■ GM Bank Set
   The voices, which are arranged along with the list of GM, are recorded per Bank.
■ Category Bank Set
   The voices, which are arranged according to the category of musical instrument, are recorded per Bank.
■ Ethnic Bank Set
   The voice of ethnic instruments, which don't belong in GM voice, are arranged and recorded per Bank.

"When you feel the voice array of general GM more intelligible and usable", it is recommend that you use the data type arranged along with the list of GM.
"When you want to try listening various voices of each series and select", it is recommend that you use the data type arranged according to the category.

All voices of this library are 2 operator FM voices. Because 2 operator voices can pronounce more numbers simultaneously in a music than 4 operator voices.

2. VLF-MA2 (FM Voice Library for MA-2) Voice Map

2.1 GM Bank Set

MSB#	122	122	122	122	122	123
Pch#/Note#	NormalBank-1	NormalBank-2	NormalBank-3	NormalBank-4	NormalBank-5	DrumsBank
1	GrandPiano-2	OldPiano	MelloPiano			
2	BrightPiano-2					
3	E.GrandPno-2	E.GrandPno-3	E.GrModPno			
4	HonkyTonk-2					
5	E.Piano1-2	E.Piano1-3	E.Piano1-4	E.Piano1-5	E.Piano1-6	
6	E.Piano2-2	E.Piano2-3	KotoE.Pno			
7	Harpsi-2	SoftHarpsi.	SynthHarpsi.			
8	Clavi-2	Clavi-3	SynthClavi			
9	Celesta-2	Celesta-3	SynthCelesta			
10	Glocken-2	Glocken-3	BellChime	MelodicChime		
11	MusicBox-2	MusicBox-3				
12	SoftVibes	HardVibes	LeadVibes	AttackVibes		
13	SoftMarimba	TinyMarimba				
14	Xylophone-2					
15	Carillon	Elec.Chime	SoftBell			Hi-Q
16	EthnicString-1	EthnicString-2	SynthDulcimer			WhipSlap
17	DrawOrgan-2	DrawOrgan-3	SoftDrawOrg	HeavyDrwOrg		
18	PercOrgan-2	E.PnoOrgan				
19	RockOrgan-2	RoughOrgan	FastRotaryOrg			
20						
21						
22	SpaceAccodion					
23	Harmonica-2	Harmonica-3				SeqClick L
24	TangoAcd-2	TangoAcd-3				SeqClick H-2
25	NylonGtr-2					BrushTapSoft-2
26	SteelGtr-2	SteelGtr-3				BrushSwirl L-2
27	JazzGtr-2	JazzGtr-3	JazzGtr-4			BrushSlap-2
28	CleanGtr-2	CleanGtr-3	OverToneGtr	MelloGtr	CrunchGtr	BrushSwirl H-2
29	MutedGtr-2	MutedGtr-3				Snare Roll-2
30	Overdrive-2	Overdrive-3	Overdrive-4			Castanet-2
31	Dist.Gtr-2	Dist.Gtr-3	Dist.Gtr-4	Dist.Gtr-5		Snare L-2
32	SynthHarmo-1	SynthHarmo-2				Pla-Stick
33	Aco.Bass-2	Aco.Bass-3				BassDrum L-2
34	FingerBass-2					OpenRimShot-2
35	PickBass-2					AnalogBassDrum
36	Fretless-2					BassDrum H-2
37	SlapBass1-2					CloseRimShot-2
38	SlapBass2-2					AnalogSnare
39	SynBass1-2	SynBass1-3	BowBass	SlowAttackBass		HandClap-2
40	SynBass2-2	SynBass2-3	SynBass2-4	SynBass2-5		Snare H-2
41	Violin-2	Violin-3				FloorTom L-2
42						Hi-HatClosed-2
43	Cello-2					FloorTom H-2
44	Contrabass-2					Hi-HatPedal-2
45						LowTom-2
46	Pizz.Str-2	Pizz.Str-3				Hi-HatOpen-2
47	Harp-2					MidTom L-2
48	Timpani-2					MidTom H-2
49	Strings1-2	Strings1-3				CrashCymbal-3
50	Strings2-2	Strings2-3	Strings2-4			HighTom-2
51	Syn.Str1-2					RideCymbal-3
52	Syn.Str2-2	Syn.Str2-3				ChineseCymbal-2
53	ChoirAahs-2					RideCup-2
54	VoiceOohs-2	VoiceOohs-3				Tambourine-2
55						SplashCymbal-2
56	Orch.Hit-2	CyberHit				Cowbell Hi
57	Trumpet-2	Trumpet-3	SynthTrumpet			CrashCymbal-4
58	Trombone-2	Trombone-3	WarmTrombone			Vibraslap-2
59	Tuba-2	Tuba-3	Tuba-4			RideCymbal-4
60	Mute.Trp-2					Bongo H-2
61	Fr.Horn-2					Bongo L-2
62	BrassSect-2	BrassSect-3	BrassScet-4	BrassSect-5		Conga H Mute-2
63	SynBrass1-2	SynBrass1-3	SynthThinBrs	QuackBrass		Conga H Open-2
64	SynBrass2-2	SynBrass2-3	SlowAttackBrs			Conga L-2

MSB#	122	122	122	122	122	123
Pch#/Note#	NormalBank-1	NormalBank-2	NormalBank-3	NormalBank-4	NormalBank-5	DrumsBank
65	SopranoSax-2	SopranoSax-3				Timbale H-2
66	AltoSax-2	AltoSax-3				Timbale L-2
67	TenorSax-2	TenorSax-3	TenorSax-4			AgogoTrad-Hi
68	Bari.Sax-2	Bari.Sax-3				AgogoTrad-Lo
69	Oboe-2					Cabasa-2
70						Maracas-2
71	Bassoon-2	MelloBassoon				SambaWhistl H-2
72	Clarinet-2					SambaWhistl L-2
73	CrystalPiccolo	El.Piccolo				GuiroShort-2
74	Flute-2					GuiroLong-2
75	Recorder-2					Claves-2
76						WoodBlock H-2
77						WoodBlock L-2
78	Shakuhachi-2	Shakuhachi-3				CuicaMute-2
79	Whistle-2					CuicaOpen-2
80	MetalOcarina					TriangleMute-2
81	SquareLd-2	PoweredLd	CrushedLd	SineLead	OctaveSineLd	TriangleOpen-2
82	Saw.Lead-2	Saw.Lead-3	DoubleLead	TinyLead	Mondo	Shaker-2
83	ShotLead					JingleBell-2
84	ChansonLd	ChiffDistLd				BellTree-2
85	CharangLd-2					Ring
86						ChineseCymbal-3
87	FifthLd-2	FifthLd-3				ChineseCymbal-4
88	Bass&Ld-2					RideCymbal-5
89	NewAgePd-2					
90	WarmPad-2	WarmPad-3				
91	PolySyPd-2	PowerNoizPd	AsianPad	DistBrassPad		
92	AfternoonPad					
93	BowedPad-2	BowedPad-3	CosmoPad			
94	MetalPad-2					
95	AuroraPad	ArabianPad				
96	SweepPad-2	SweepPad-3				
97	Rain-2	Rain-3				
98	SoundTrk-2	TimeTravel				
99	Crystal-2	ClearBell	DigiBell			
100	Atmosphere-2					
101	Brightness-2					
102	GhostCry					
103	Echoes-2	Wink				
104	Sci-Fi-2	Martian				
105	Sitar-2	Sitar-3	Baglama	SynthSitar		
106	Banjo-2					
107	Shamisen-2					
108	Koto-2					
109	Kalimba-2					
110	Bagpipe-2	Bagpipe-3				
111	Fiddle-2					
112	Shanai-2	Charamela				
113	TinkleBall-2	TinkleBall-3				
114						
115	SteelDrum-2					
116	WoodBlock-2	Hi-Block				
117						
118						
119	Syn.Drum-2	Galaxy	Hi-Q_Tom			
120	RevCymbal-2	RevGalaxy				
121	Seq-1	Seq-2	Seq-3	Seq-4		
122						
123	Seashore-2					
124	Insect-1	Insect-2				
125	Robot-1	Robot-2				
126	Helicopter-2	SL	Starship			
127	Applause-2					
128	Gunshot-2	Gong	Springer	Wizard		

2.2 CategoryBankSet

MSB#	122	122	122	122	122	122
Pch#	Pno-Bell-Org	Gtr-Bass	Str-Ensemble	Brs-Rd-Pipe	Lead-Pad-FX	Eth-Perc-SE
1	GrandPiano-2	NylonGtr-2	Violin-2	Trumpet-2	SquareLd-2	Sitar-2
2	OldPiano		Violin-3	Trumpet-3	PoweredLd	Sitar-3
3	MelloPiano			SynthTrumpet	CrushedLd	Baglama
4					SineLead	SynthSitar
5					OctaveSineLd	
6	BrightPiano-2	SteelGtr-2		Trombone-2	Saw.Lead-2	Banjo-2
7		SteelGtr-3		Trombone-3	Saw.Lead-3	
8				WarmTrombone	DoubleLead	
9					TinyLead	
10					Mondo	
11	E.GrandPno-2	JazzGtr-2	Cello-2	Tuba-2	ShotLead	Shamisen-2
12	E.GrandPno-3	JazzGtr-3		Tuba-3		
13	E.GrModPno	JazzGtr-4		Tuba-4		
14						
15						
16	HonkyTonk-2	CleanGtr-2	Contrabass-2	Mute.Trp-2	ChansonLd	Koto-2
17		CleanGtr-3			ChiffDistLd	
18		OverToneGtr				
19		MelloGtr				
20		CrunchGtr				
21	E.Piano1-2	MutedGtr-2		Fr.Horn-2	CharangLd-2	Kalimba-2
22	E.Piano1-3	MutedGtr-3				
23	E.Piano1-4					
24	E.Piano1-5					
25	E.Piano1-6					
26	E.Piano2-2	Overdrive-2	Pizz.Str-2	BrassSect-2		Bagpipe-2
27	E.Piano2-3	Overdrive-3	Pizz.Str-3	BrassSect-3		Bagpipe-3
28	KotoE.Pno	Overdrive-4		BrassScet-4		
29				BrassSect-5		
30						
31	Harpsi-2	Dist.Gtr-2	Harp-2	SynBrass1-2	FifthLd-2	Fiddle-2
32	SoftHarpsi.	Dist.Gtr-3		SynBrass1-3	FifthLd-3	
33	SynthHarpsi.	Dist.Gtr-4		SynthThinBrs		
34		Dist.Gtr-5		QuackBrass		
35						
36	Clavi-2	SynthHarmo-1	Timpani-2	SynBrass2-2	Bass&Ld-2	Shanai-2
37	Clavi-3	SynthHarmo-2		SynBrass2-3		Charamela
38	SynthClavi			SlowAttackBrs		
39						
40						
41	Celesta-2	Aco.Bass-2	Strings1-2	SopranoSax-2	NewAgePd-2	TinkleBall-2
42	Celesta-3	Aco.Bass-3	Strings1-3	SopranoSax-3		TinkleBall-3
43	SynthCelesta					
44						
45						
46	Glocken-2	FingerBass-2	Strings2-2	AltoSax-2	WarmPad-2	
47	Glocken-3		Strings2-3	AltoSax-3	WarmPad-3	
48	BellChime		Strings2-4			
49	MelodicChime					
50						
51	MusicBox-2	PickBass-2	Syn.Str1-2	TenorSax-2	PolySyPd-2	SteelDrum-2
52	MusicBox-3			TenorSax-3	PowerNoizPd	
53				TenorSax-4	AsianPad	
54					DistBrassPad	
55						
56	SoftVibes	Fretless-2	Syn.Str2-2	Bari.Sax-2	AfternoonPad	WoodBlock-2
57	HardVibes		Syn.Str2-3	Bari.Sax-3		Hi-Block
58	LeadVibes					
59	AttackVibes					
60						
61	SoftMarimba	SlapBass1-2	ChoirAahs-2	Oboe-2	BowedPad-2	
62	TinyMarimba				BowedPad-3	
63					CosmoPad	
64						

MSB#	122	122	122	122	122	122
Pch#	Pno-Bell-Org	Gtr-Bass	Str-Ensemble	Brs-Rd-Pipe	Lead-Pad-FX	Eth-Perc-SE
65						
66	Xylophone-2	SlapBass2-2	VoiceOohs-2		MetalPad-2	
67			VoiceOohs-3			
68						
69						
70						
71	Carillon	SynBass1-2		Bassoon-2	AuroraPad	Syn.Drum-2
72	Elec.Chime	SynBass1-3		MelloBassoon	ArabianPad	Galaxy
73	SoftBell	BowBass				Hi-Q Tom
74		SlowAttackBass				
75						
76	EthnicString-1	SynBass2-2	Orch.Hit-2	Clarinet-2	SweepPad-2	RevCymbal-2
77	EthnicString-2	SynBass2-3	CyberHit		SweepPad-3	RevGalaxy
78	SynthDulcimer	SynBass2-4				
79		SynBass2-5				
80						
81	DrawOrgan-2			CrystalPiccolo	Rain-2	Seq-1
82	DrawOrgan-3			El.Piccolo	Rain-3	Seq-2
83	SoftDrawOrg					Seq-3
84	HeavyDrwOrg					Seq-4
85						
86	PercOrgan-2			Flute-2	SoundTrk-2	
87	E.PnoOrgan				TimeTravel	
88						
89						
90						
91	RockOrgan-2			Recorder-2	Crystal-2	Seashore-2
92	RoughOrgan				ClearBell	
93	FastRotaryOrg				DigiBell	
94						
95						
96					Atmosphere-2	Inscet-1
97						Inscet-2
98						
99						
100						
101					Brightness-2	Robot-1
102						Robot-2
103						
104						
105						
106	SpaceAccodion			Shakuhachi-2	GhostCry	Helicopter-2
107				Shakuhachi-3		SL
108						Starship
109						
110						
111	Harmonica-2			Whistle-2	Echoes-2	Applause-2
112	Harmonica-3				Wink	
113						
114						
115						
116	TangoAcd-2			MetalOcarina	Sci-Fi-2	Gunshot-2
117	TangoAcd-3				Martian	Gong
118						Springer
119						Wizard
120						
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MSB#	123
Note#	Drums
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15	Hi-Q
16	WhipSlap
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19	
20	
21	
22	
23	SeqClick L
24	SeqClick H-2
25	BrushTapSoft-2
26	BrushSwirl L-2
27	BrushSlap-2
28	BrushSwirl H-2
29	Snare Roll-2
30	Castanet-2
31	Snare L-2
32	Pla-Stick
33	BassDrum L-2
34	OpenRimShot-2
35	AnalogBassDrum
36	BassDrum H-2
37	CloseRimShot-2
38	AnalogSnare
39	HandClap-2
40	Snare H-2
41	FloorTom L-2
42	Hi-HatClosed-2
43	FloorTom H-2
44	Hi-HatPedal-2
45	LowTom-2
46	Hi-HatOpen-2
47	MidTom L-2
48	MidTom H-2
49	CrashCymbal-3
50	HighTom-2
51	RideCymbal-3
52	ChineseCymbal-2
53	RideCup-2
54	Tambourine-2
55	SplashCymbal-2
56	Cowbell Hi
57	CrashCymbal-4
58	Vibraslap-2
59	RideCymbal-4
60	Bongo H-2
61	Bongo L-2
62	Conga H Mute-2
63	Conga H Open-2

MSB#	123
Note#	Drums
64	Conga L-2
65	Timbale H-2
66	Timbale L-2
67	AgogoTrad-Hi
68	AgogoTrad-Lo
69	Cabasa-2
70	Maracas-2
71	SambaWhistl H-2
72	SambaWhistl L-2
73	GuiroShort-2
74	GuiroLong-2
75	Claves-2
76	WoodBlock H-2
77	WoodBlock L-2
78	CuicaMute-2
79	CuicaOpen-2
80	TriangleMute-2
81	TriangleOpen-2
82	Shaker-2
83	JingleBell-2
84	BellTree-2
85	Ring
86	ChineseCymbal-3
87	ChineseCymbal-4
88	RideCymbal-5
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2.3 Ethnic Bank Set

MSB#	122
Pch#	ChineseNormalBank
1	Erhu(Soft)
2	Erhu(Normal)
3	Erhu(Hard)
4	Pipa(Soft)
5	Pipa(Normal)
6	Pipa(Hard)
7	Yangqin(Soft)
8	Yangqin(Normal)
9	Yangqin(Hard)
10	Zheng(Soft)
11	Zheng(Normal)
12	Zheng(Hard)
13	Dizi(Soft)
14	Dizi(Normal)
15	Dizi(Hard)
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MSB#	122
Pch#	ChineseNormalBank
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3. Description of VLF-MA2 (FM Voice Library for MA-2) Sample

These are typical library voices currently used for each music data.
Please make them reference at creating music data.

- **Classic1.mmf**

Fanfare style which imagined orchestra.

>   AnalogSnare, Flute-2, Oboe-2, Clarinet-2, Bassoon-2, Trumpet-3, Trombone-3,
>   Fr.Horn-2, Strings1-2, Strings2-2, ContraBass-2

- **Fusion1.mmf**

Fusion style featuring E.Piano.

>   BassDrum L-2, CrashCymbal-3, Hi-HatClosed-2, Snare H-2, GrandPiano-2,
>   E.Piano1-5, FingerBass-2, Syn.Str2-2, MelloGtr, BrassSect-4

- **Latin1.mmf**

Latin rhythm which used more real voices of Agogo and SteelDrum.

>   AgogoTrad-Hi, AnalogBassDrum, RideCymbal-3, Snare L-2, SteelDrum-2,
>   Recorder-2, Fretless-2, SteelGtr-2, DrawOrgan-3

- **MusicBox1.mmf**

Music box style featuring Bell sound.

>   MusicBox-3, MelodicChime, Glocken-2, Syn.Str1-2

- **World1.mmf**

World music style which used CleanGtr.

>   BassDrum H-2, Snare H-2, Saw.Lead-2, SynBass2-4, CrushedLd, WarmPad-3,
>   CleanGtr-2

- **China1.mmf**

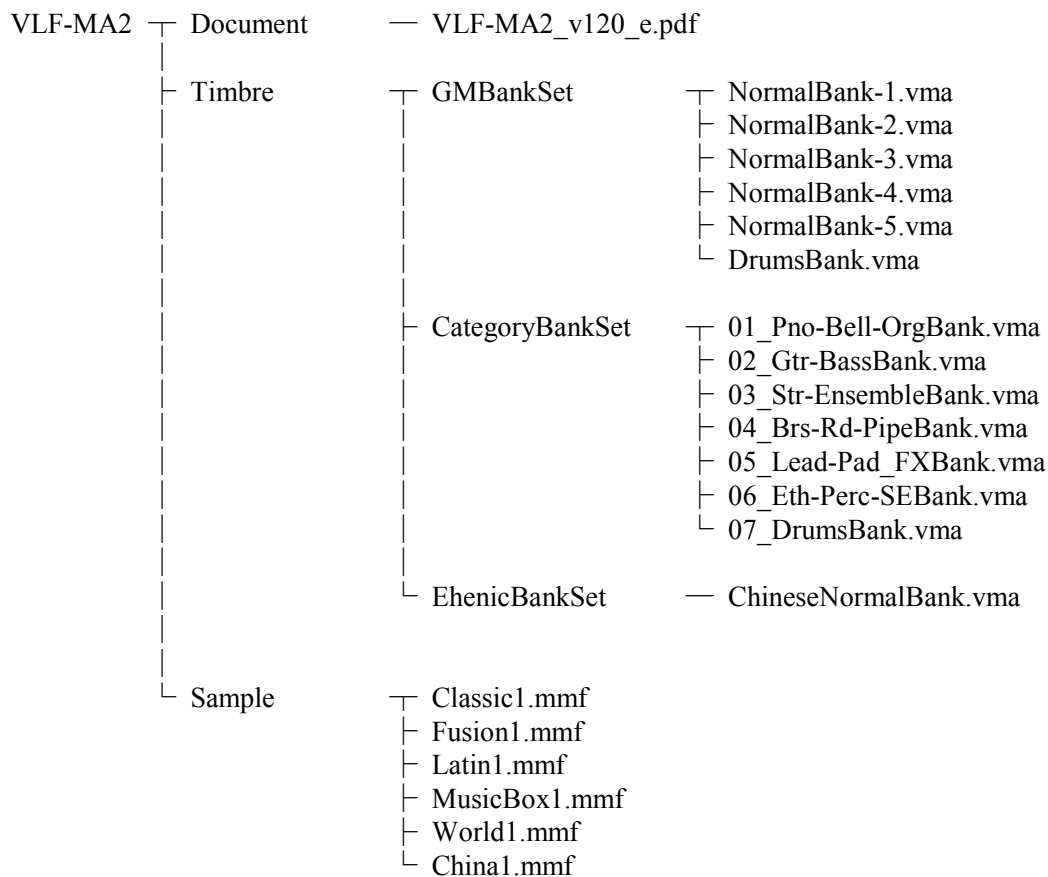Chinese style which used Chinese ethnic instrument voices.
Even same voice is properly used with Soft, Normal, and Hard by velocity.

>   Erhu(Normal), Erhu(Hard), Pipa(Normal), Pipa(Hard), Yangqin(Soft), Yangqin(Normal),
>   Zheng(Soft), Zheng(Hard), Dizi(Soft), Dizi(Hard), FngrBass

  * ADPCM voice which is not recorded on this voice library is also used for this music data.

4. File configuration of VLF-MA2 (FM Voice Library for MA-2)

VLF-MA2   Version : 1.2.0

```
VLF-MA2 ┬ Document      ─ VLF-MA2_v120_e.pdf
        │
        ├ Timbre        ┬ GMBankSet        ┬ NormalBank-1.vma
        │               │                  ├ NormalBank-2.vma
        │               │                  ├ NormalBank-3.vma
        │               │                  ├ NormalBank-4.vma
        │               │                  ├ NormalBank-5.vma
        │               │                  └ DrumsBank.vma
        │               │
        │               ├ CategoryBankSet  ┬ 01_Pno-Bell-OrgBank.vma
        │               │                  ├ 02_Gtr-BassBank.vma
        │               │                  ├ 03_Str-EnsembleBank.vma
        │               │                  ├ 04_Brs-Rd-PipeBank.vma
        │               │                  ├ 05_Lead-Pad_FXBank.vma
        │               │                  ├ 06_Eth-Perc-SEBank.vma
        │               │                  └ 07_DrumsBank.vma
        │               │
        │               └ EhenicBankSet    ─ ChineseNormalBank.vma
        │
        │
        └ Sample        ┬ Classic1.mmf
                        ├ Fusion1.mmf
                        ├ Latin1.mmf
                        ├ MusicBox1.mmf
                        ├ World1.mmf
                        └ China1.mmf
```

* [07_DrumsBank.vma] in CategoryBankSet and [DrumsBank.vma] in GMBankSet are the sai
contents although file names differ.