

General-Purpose ROM Codes List

Built-in mask ROM voice synthesis ICs and serial voice ROMs are manufactured according to customer orders. The following standard products are also available for general use and for sound quality evaluation and demonstration.

For details, feel free to contact our business department.

MSM6375 family general-purpose ROM codes

Model	Contents	Application	f _{SAM}	Option
MSM6372-100	Japanese female voice	Demonstration	6.4/8.0 kHz	B
MSM6372-119	Japanese female voice	Switching between FAX and telephone set	6.4 kHz	L
MSM6373-308	Japanese female voice	Answering machine and clock time reporting	4.0 kHz	A
MSM6373-329	English male voice	Answering machine and clock time reporting	4.0 kHz	G
MSM6374-006	Japanese female voice	Answering machine and clock time reporting	6.4 kHz	E
MSM6374-007	English female voice	Answering machine and clock time reporting	6.4 kHz	G
MSM6374-519	Japanese female voice	Answering machine and clock time reporting	5.3 kHz	A
MSM6374-544	English female voice	Answering machine and clock time reporting	6.4 kHz	G
MSM6374-545	Chinese female voice	Answering machine and clock time reporting	6.4 kHz	G
MSM6374-553	Japanese female voice	Answering machine and clock time reporting	6.4 kHz	G

MSM6650 family general-purpose ROM codes

Model	Contents	Applicaiton	f _{SAM}	Option
MSM6653-301	Demonstration	Demonstration message (in eight languages)	10.6/8.0/5.3 kHz	C
MSM6654-405	Demonstration	Demonstration message	Various frequencies	C
MSM6654-410	Demonstration	Demonstration (Japanese, English, sound effects)	Various frequencies	A
MSM6656-601	Demonstration	Demonstration message (Japanese)	Various frequencies	C
MSM6656-603	Demonstration	Demonstration message (English)	Various frequencies	C
MSM6658A-800	Demonstration	Demonstration message	Various frequencies	A

MSM6596A series general-purpose ROM codes

Model	Contents	Application	f _{SAM}	Option
MSM6596A-900	Voice in eight languages	Time stamp for answering machine demonstration	6.4/8.0 kHz	—
MSM6597A-750	Japanese and English female voice	Time stamp for answering machine demonstration	6.4/8.0 kHz	—

MSM9800 series general-purpose ROM codes

Model	Contents	Application	f_{SAM}	Option
MSM9802-200	Bell and birdcall	Demonstration (sound effects)	8.0kHz	—
MSM9802-201	Demonstration	Demonstration (sound effects)	Various frequencies	—
MSM9802-204	Japanese female voice	PHS handy phone	8.0kHz	—
MSM9803-300	Demonstration	Demonstration (sound effects)	Various frequencies	—
MSM9831-105	Female voice	Demonstration (sound effects)	Various frequencies	—
MSM9836-600	Japanese female voice	Answering machine and clock time reporting	5.3kHz	—

MSM9888 family general-purpose ROM codes

Model	Contents	Application	f_{SAM}	Option
MSM9888L-819	English female voice	Digital cordless phone	6.25kHz	—
MSM9888L-820	Japanese female voice	PHS handy phone	6.25kHz	—

Details are shown in the following tables.

MSM6375 family general-purpose ROM codes

MSM6372-100 Voice Word Address Corresponding List
(for demonstration)Specification: F_{OSC} = 64kHz, Option B

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40			60		
41			61		
42			62		
43			63		
44			64		
45			65		
46			66		
47			67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50			70	BEEP Sound Code	
51			71	↓	
52			72		
53			73		
54			74		
55			75		
56			76		
57			77	↓	
58			78	Test Code	
59			79	↓	
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F	↓	

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	Stop Code	—	20		
01	"いらっしやませ"	8.0	21		
02	"いらっしやませ"	6.4	22		
03	"ありがとうございました"	8.0	23		
04	"ありがとうございました"	6.4	24		
05			25		
06			26		
07			27		
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10			30		
11			31		
12			32		
13			33		
14			34		
15			35		
16			36		
17			37		
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6372-119 Voice Word Address Corresponding List
 (for telephone and facsimile switchable guidance in Japanese)
 Specification: Fosc = 64KHz, Option L

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40			60		
41			61		
42			62		
43			63		
44			64		
45			65		
46			66		
47			67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50			70	BEEP Sound Code	
51			71	↓	
52			72	↓	
53			73	↓	
54			74	↓	
55			75	↓	
56			76	↓	
57			77	↓	
58			78	Test Code	
59			79	↓	
5A			7A	↓	
5B			7B	↓	
5C			7C	↓	
5D			7D	↓	
5E			7E	↓	
5F			7F	↓	

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20		
01	"電話を呼び出しております"	6.4	21		
02	"ファクシミリにつながります"	6.4	22		
03	"送信ボタンを押して下さい"	6.4	23		
04			24		
05			25		
06			26		
07			27		
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10			30		
11			31		
12			32		
13			33		
14			34		
15			35		
16			36		
17			37		
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6373-308 Voice Word Address Corresponding List (for Japanese Time Signal)
 Specification: Fosc = 64kHz, Option A

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	Stop Code	—	20	"いっ" (分)	4.0
01	"いち" (時)	4.0	21	"さん" (分)	4.0
02	"に" (時・分)	4.0	22	"よん" (分)	4.0
03	"さん" (時)	4.0	23		
04	"よ" (時)	4.0	24	"ろっ" (分)	4.0
05	"ご" (時・分)	4.0	25		
06	"ろく" (時)	4.0	26		
07	"なな" (時・分)	4.0	27	"きゅう" (分)	4.0
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	"はち" (時・分)	4.0	30	<Silence> 200 (ms)	4.0
11	"く" (時)	4.0	31	"じゅっ" (分)	4.0
12	"じゅう" (時)	4.0	32	"にじゅっ" (分)	4.0
13	"じゅういち" (時)	4.0	33	"さんじゅっ" (分)	4.0
14	"じゅうに" (時)	4.0	34	"よんじゅっ" (分)	4.0
15			35	"ごじゅっ" (分)	4.0
16	"ぜろ" (件)	4.0	36		
17	"時"	4.0	37		
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40	<Silence> 30 (ms)	4.0	60	"シャープ"	4.0
41	"じゅう"	4.0	61	"スター"	4.0
42	"にじゅう"	4.0	62	"ポーズ"	4.0
43	"さんじゅう"	4.0	63		
44	"よんじゅう"	4.0	64	"日" (にち)	6.4
45	"ごじゅう"	4.0	65		
46	"伝言"	4.0	66		
47	"件"	4.0	67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50	<Silence> 50 (ms)	4.0	70	BEEP Sound Code	
51	"午前"	4.0	71		
52	"午後"	4.0	72		
53	"ぶん"	4.0	73		
54	"ぶん"	4.0	74		
55	"です"	4.0	75		
56			76		
57			77	↓	
58			78	Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F	↓	

MSM6373-329 Voice Word Address Corresponding List (for English Time Signal)
 Specification: Fosc = 64kHz, Option G

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40	"FRI-"	4.0	60		
41	"SATUR-"	4.0	61		
42	"-DAY"	4.0	62		
43	"-TEEN"	4.0	63		
44	"Set the DAY and TIME"	4.0	64		
45	<Silence> (30ms)	4.0	65		
46			66		
47			67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50			70	BEEP Sound Code	
51			71		
52			72		
53			73		
54			74		
55			75		
56			76		
57			77	↓	
58			78	Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F	↓	

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	"SIX-"	4.0
01	"ONE"	4.0	21	"SEVEN-"	4.0
02	"TWO"	4.0	22	"EIGHT-"	4.0
03	"THREE"	4.0	23	"NINE-"	4.0
04	"FOUR"	4.0	24	"TWENTY"	4.0
05	"FIVE"	4.0	25	"THIRTY"	4.0
06	"SIX"	4.0	26	"FORTY"	4.0
07	"SEVEN"	4.0	27	"FIFTY"	4.0
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	"EIGHT"	4.0	30	"OH"	4.0
11	"NINE"	4.0	31	"AM"	4.0
12	"TEN"	4.0	32	"PM"	4.0
13	"ELEVEN"	4.0	33	"SUN-"	4.0
14	"TWELVE"	4.0	34	"MON-"	4.0
15	"THIR-"	4.0	35	"TUES-"	4.0
16	"FOUR-"	4.0	36	"WEDNES-"	4.0
17	"FIF-"	4.0	37	"THURS-"	4.0
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6374-006 Voice Word Address Corresponding List (for Japanese Time Signal)
 Specification: Fosc = 64kHz, Option E

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40			60		
41	"じゅう"	6.4	61		
42	"にじゅう"	6.4	62		
43	"さんじゅう"	6.4	63		
44	"よんじゅう"	6.4	64		
45	"ごじゅう"	6.4	65		
46			66		
47	"件"	6.4	67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50			70	BEEP Sound Code	
51	"午前"	6.4	71		
52	"午後"	6.4	72		
53	"ぶん"	6.4	73		
54	"ふん"	6.4	74		
55	"です"	6.4	75		
56			76		
57	"メモ"	6.4	77	↓	
58			78	Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F	↓	

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	"いっ" (分)	6.4
01	"いち" (時)	6.4	21	"さん" (分)	6.4
02	"に" (時、分)	6.4	22	"よん" (分)	6.4
03	"さん" (時)	6.4	23	"ご" (分)	6.4
04	"よ" (時)	6.4	24	"ろっ" (分)	6.4
05	"ご" (時)	6.4	25	"なな" (分)	6.4
06	"ろく" (時)	6.4	26	"はっ" (分)	6.4
07	"なな" (時)	6.4	27	"きゅう" (分)	6.4
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	"はち" (時)	6.4	30		
11	"く" (時)	6.4	31	"じゅっ" (分)	6.4
12	"じゅう" (時)	6.4	32	"にじゅっ" (分)	6.4
13	"じゅういち" (時)	6.4	33	"さんじゅっ" (分)	6.4
14	"じゅうに" (時)	6.4	34	"よんじゅっ" (分)	6.4
15	"れい" (時)	6.4	35	"ごじゅっ" (分)	6.4
16			36		
17	"時"	6.4	37		
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6374-007 Voice Word Address Corresponding List (for English Time Signal)
 Specification: F_{OSC} = 64kHz, Option G

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40	"O'CLOCK"	6.4	60		
41	"SIX-"	6.4	61		
42	"SEVEN-"	6.4	62		
43	"EIGHT-"	6.4	63		
44	"NINE-"	6.4	64		
45	"TY-ONE"	6.4	65		
46	"TY-TWO"	6.4	66		
47	"TY-THREE"	6.4	67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50	"OH"	6.4	70	BEEP Sound Code	
51	"FOR-"	6.4	71		
52	"TO GO"	6.4	72		
53	"IT'S"	6.4	73		
54	<Silence> (50 ms)	6.4	74		
55	<Silence> (200 ms)	6.4	75		
56	"AM"	6.4	76		
57	"PM"	6.4	77		
58			78	↓ Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F	↓	

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	"TY-FOUR"	6.4
01	"ALARM"	6.4	21	"TY-FIVE"	6.4
02	"SETTING"	6.4	22	"TY-SIX"	6.4
03	"ON"	6.4	23	"TY-SEVEN"	6.4
04	"OFF"	6.4	24	"TY-EIGHT"	6.4
05	"HOUR"	6.4	25	"TY-NINE"	6.4
06	"MINUTE"	6.4	26	"-TY"	6.4
07	"SECOND"	6.4	27	"-TEEN"	6.4
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	"NINE"	6.4	30	"ONE"	6.4
11	"TEN"	6.4	31	"TWO"	6.4
12	"ELEVEN"	6.4	32	"THREE"	6.4
13	"TWELVE"	6.4	33	"FOUR"	6.4
14	"ZERO-"	6.4	34	"FIVE"	6.4
15	"TWEN-"	6.4	35	"SIX"	6.4
16	"THIR-"	6.4	36	"SEVEN"	6.4
17	"FIF-"	6.4	37	"EIGHT"	6.4
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6374-519 Voice Word Address Corresponding List (for Japanese Time Signal)
 Specification: Fosc = 53kHz, Option A

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40	"日"	5.3	60	BEEP tone (64 ms, 883 Hz)	5.3
41	"月"	5.3	61	BEEP tone (128 ms, 883 Hz)	5.3
42	"火"	5.3	62		
43	"水"	5.3	63		
44	"木"	5.3	64		
45	"金"	5.3	65		
46	"土"	5.3	66		
47	"曜日"	5.3	67		
48	"シャープ"	5.3	68		
49	"アスター"	5.3	69		
4A	"ポーズ"	5.3	6A		
4B	"PB"	5.3	6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50	<Silence> (50 ms)	3.3	70	BEEP Sound Code	
51	"ゼロ" (件)	5.3	71		
52	"伝言"	5.3	72		
53	"件"	5.3	73		
54	"し" (月)	5.3	74		
55	"月" (がつ)	5.3	75		
56	"日" (にち)	5.3	76		
57	"しち" (月)	5.3	77		
58			78	↓ Test Code	
59			79		
5A	"只今留守しております"	5.3	7A		
5B	"後ほどおかけ直し下さい"	5.3	7B		
5C	"ピーという音の後にお話し下さい"	5.3	7C		
5D			7D		
5E			7E		
5F			7F	↓	

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	<Silence> (100 ms)	3.3
01	"いち" (月、日、時、秒)	5.3	21	"じゅっ" (10分、件)	5.3
02	"に" (時、2分、件)	5.3	22	"に" (20分秒)	5.3
03	"さん" (時)	5.3	23		
04	"よ" (時)	5.3	24		
05	"ご" (月、日、時、分、秒、件)	5.3	25	"ご" (50分秒)	5.3
06	"ろく" (月、日、時、秒)	5.3	26	"じゅっ" (20、30、40分)	5.3
07	"なな" (月、日、時、分、秒、件)	5.3	27	"じゅう" (20、30、40秒)	5.3
08	"はち" (月、日、時、分、秒、件)	5.3	28	"午前"	5.3
09	"く" (月、日、時)	5.3	29	"午後"	5.3
0A	"じゅう" (月、日、10時、10秒)	5.3	2A	"時"	5.3
0B	"じゅういち" (月、日、時、秒)	5.3	2B	"ぶん"	5.3
0C	"じゅうに" (月、日、時、分、秒、件)	5.3	2C	"ふん"	5.3
0D			2D	"秒"	5.3
0E			2E	"です"	5.3
0F			2F		
10	"れい" (時、分、秒)	5.3	30	<Silence> (30 ms)	3.3
11	"いっ" (分、件)	5.3	31	"じゅう〜" (11-19分/件)	5.3
12			32	"に" (月、日、21-29分秒、2秒)	5.3
13	"さん" (月、日、3、13、23、30-39分秒、件)	5.3	33		
14	"よん" (日、4、14、24、40-49分秒、件)	5.3	34		
15			35	"ごじゅう〜" (51-59分秒)	5.3
16	"ろっ" (分、件)	5.3	36	"じゅう〜" (21-29、31-39、41-49分秒)	5.3
17			37		
18			38		
19	"きゅう" (分、秒、件)	5.3	39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

0時 0分です (10) (2A) (10) (2C) (2E)
 1時 1分です (01) (＼) (11) (2B) (＼) 1秒 (01) (2D)
 2時 2分です (02) (＼) (02) (2C) (＼) 2秒 (32) (2D)
 3時 3分です (03) (＼) (13) (2B) (＼)
 4時 4分です (04) (＼) (14) (2B) (＼)
 5時 5分です (05) (＼) (05) (2C) (＼)
 6時 6分です (06) (＼) (16) (2B) (＼) 6秒 (06) (2D)
 7時 7分です (07) (＼) (07) (2C) (＼)
 8時 8分です (08) (＼) (08) (2C) (＼)
 9時 9分です (09) (＼) (19) (2C) (＼)

10時 10分です (0A) (2A) (21) (2B) (2E) 10秒 (0A) (2D)
 11時 11分です (0B) (＼) (31) (11) (2B) (＼) 11秒 (0B) (2D)
 12時 12分です (0C) (＼) (0C) (2C) (＼)
 3時 13分です (03) (＼) (31) (13) (2B) (＼)
 4時 14分です (04) (＼) (＼) (14) (2B) (＼)
 5時 15分です (05) (＼) (＼) (05) (2C) (＼)
 6時 16分です (06) (＼) (＼) (16) (2B) (＼) 16秒 (31) (06) (2D)
 7時 17分です (07) (＼) (＼) (07) (2C) (＼)
 8時 18分です (08) (＼) (＼) (08) (2C) (＼)
 9時 19分です (09) (＼) (＼) (19) (2C) (＼)

0時 20分です (10) (2A) (22) (26) (2B) (2E) 20秒 (22) (27) (2D)
 1時 21分です (01) (＼) (32) (36) (11) (2B) (＼) 21秒 (32) (36) (01) (2D)
 2時 22分です (02) (＼) (＼) (＼) (02) (2C) (＼) 22秒 (32) (36) (32) (2D)
 3時 23分です (03) (＼) (＼) (＼) (13) (2B) (＼)
 4時 24分です (04) (＼) (＼) (＼) (14) (2B) (＼)
 5時 25分です (05) (＼) (＼) (＼) (05) (2C) (＼)
 6時 26分です (06) (＼) (＼) (＼) (16) (2B) (＼) 26秒 (32) (36) (06) (2D)
 7時 27分です (07) (＼) (＼) (＼) (07) (2C) (＼)
 8時 28分です (08) (＼) (＼) (＼) (08) (2C) (＼)
 9時 29分です (09) (＼) (＼) (＼) (19) (2C) (＼)

0時 30分です (10) (2A) (13) (26) (2B) (2E) 30秒 (13) (27) (2D)
 1時 31分です (01) (＼) (＼) (36) (11) (2B) (＼) 31秒 (13) (36) (01) (2D)
 2時 32分です (02) (＼) (＼) (＼) (02) (2C) (＼) 32秒 (13) (36) (32) (2D)
 3時 33分です (03) (＼) (＼) (＼) (13) (2B) (＼)
 4時 34分です (04) (＼) (＼) (＼) (14) (2B) (＼)
 5時 35分です (05) (＼) (＼) (＼) (05) (2C) (＼)
 6時 36分です (06) (＼) (＼) (＼) (16) (2B) (＼) 36秒 (13) (36) (06) (2D)
 7時 37分です (07) (＼) (＼) (＼) (07) (2C) (＼)
 8時 38分です (08) (＼) (＼) (＼) (08) (2C) (＼)
 9時 39分です (09) (＼) (＼) (＼) (19) (2C) (＼)

0時 40分です (10) (2A) (14) (26) (2B) (2E) 40秒 (14) (27) (2D)
 1時 41分です (01) (＼) (＼) (36) (11) (2B) (＼) 41秒 (14) (36) (01) (25)
 2時 42分です (02) (＼) (＼) (＼) (02) (2C) (＼) 42秒 (14) (36) (32) (2D)
 3時 43分です (03) (＼) (＼) (＼) (13) (2B) (＼)
 4時 44分です (04) (＼) (＼) (＼) (14) (2B) (＼)
 5時 45分です (05) (＼) (＼) (＼) (05) (2C) (＼)
 6時 46分です (06) (＼) (＼) (＼) (16) (2B) (＼) 46秒 (14) (36) (06) (2D)
 7時 47分です (07) (＼) (＼) (＼) (07) (2C) (＼)
 8時 48分です (08) (＼) (＼) (＼) (08) (2C) (＼)
 9時 49分です (09) (＼) (＼) (＼) (19) (2C) (＼)

0時 50分です (10) (2A) (25) (26) (2B) (2E) 50秒 (25) (27) (2D)
 1時 51分です (01) (＼) (35) (11) (2B) (＼) 51秒 (35) (01) (2D)
 2時 52分です (02) (＼) (＼) (02) (2C) (＼) 52秒 (35) (32) (2D)
 3時 53分です (03) (＼) (＼) (13) (2B) (＼)
 4時 54分です (04) (＼) (＼) (14) (2B) (＼)
 5時 55分です (05) (＼) (＼) (05) (2C) (＼)
 6時 56分です (06) (＼) (＼) (16) (2B) (＼) 56秒 (35) (06) (2D)
 7時 57分です (07) (＼) (＼) (07) (2C) (＼)
 8時 58分です (08) (＼) (＼) (08) (2C) (＼)
 9時 59分です (09) (＼) (＼) (19) (2C) (＼)

1月 1日 (01) (55) (01) (56)
2月 2日 (32) (55) (32) (56)
3月 3日 (13) (55) (13) (56)
4月 4日 (54) (55) (14) (56)
5月 5日 (05) (55) (05) (56)
6月 6日 (06) (55) (06) (56)
7月 7日 (57) (55) (07) (56)
8月 8日 (08) (55) (08) (56)
9月 9日 (09) (55) (09) (56)
10月 10日 (0A) (55) (0A) (56)
11月 11日 (0B) (55) (0B) (56)
12月 12日 (0C) (55) (0C) (56)

MSM6374-544 Voice Word Address Corresponding List (for English Time Signal)
 Specification: F_{OSC} = 64kHz, Option G

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40	"EIGHT-"	6.4	60	"SUN-"	6.4
41	"NINE-"	6.4	61	"MON-"	6.4
42	"TWEN-"	6.4	62	"TUES-"	6.4
43	"THIR-"	6.4	63	"WEDNES-"	6.4
44	"FOR-"	6.4	64	"THURS-"	6.4
45	"FIF-"	6.4	65	"FRI-"	6.4
46	"SIX-"	6.4	66	"SATUR-"	6.4
47	"SEVEN-"	6.4	67	"-DAY"	6.4
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50	"IT'S"	6.4	70	BEEP Sound Code	
51	"O'CLOCK"	6.4	71		
52	"AM"	6.4	72		
53	"PM"	6.4	73		
54	"SET"	6.4	74		
55	"DATA"	6.4	75		
56	"TIME"	6.4	76		
57			77	↓	
58			78	Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F	↓	

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	"-TY"	6.4
01	"ONE"	6.4	21	"TY-ONE"	6.4
02	"TWO"	6.4	22	"TY-TWO"	6.4
03	"THREE"	6.4	23	"TY-THREE"	6.4
04	"FOUR"	6.4	24	"TY-FOUR"	6.4
05	"FIVE"	6.4	25	"TY-FIVE"	6.4
06	"SIX"	6.4	26	"TY-SIX"	6.4
07	"SEVEN"	6.4	27	"TY-SEVEN"	6.4
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	"EIGHT"	6.4	30	"TY-EIGHT"	6.4
11	"NINE"	6.4	31	"TY-NINE"	6.4
12	"TEN"	6.4	32	"OH"	6.4
13	"ELEVEN"	6.4	33	"TEEN"	6.4
14	"TWELVE"	6.4	34	"TEEN"	6.4
15	"ZERO"	6.4	35	<Silence> (200 ms)	6.4
16	<Silence> (50 ms)	6.4	36	<Silence> (200 ms)	6.4
17	<Silence> (50 ms)	6.4	37	<Silence> (200 ms)	6.4
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6374-545 Voice Word Address Corresponding List (for Chinese Time Signal)
 Specification: Fosc = 64kHz, Option G

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	"1" (分)	6.4
01	"1" (時)	6.4	21	"2" (分)	6.4
02	"2" (時)	6.4	22	"3" (分)	6.4
03	"3" (時)	6.4	23	"4" (分)	6.4
04	"4" (時)	6.4	24	"5" (分)	6.4
05	"5" (時)	6.4	25	"6" (分)	6.4
06	"6" (時)	6.4	26	"7" (分)	6.4
07	"7" (時)	6.4	27	"8" (分)	6.4
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	"8" (時)	6.4	30	"9" (分)	6.4
11	"9" (時)	6.4	31		
12	"10" (時)	6.4	32	"0" (分)	6.4
13	"11" (時)	6.4	33	"10" (分, 例如1×分)	6.4
14	"12" (時)	6.4	34	"2" (分, 例如2×分)	6.4
15			35	"3" (分, 例如3×分)	6.4
16			36	"4" (分, 例如4×分)	6.4
17	"點" (時)	6.4	37	"5" (分, 例如5×分)	6.4
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40	<無聲音> (200ms)	4.0	60		
41	<無聲音> (50ms)	4.0	61		
42	<無聲音> (30ms)	4.0	62		
43			63		
44	"早上"	6.4	64		
45	"下手"	6.4	65		
46			66		
47	"分"	6.4	67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50	<鐘聲>	6.4	70	BEEP Sound Code	
51			71		
52			72		
53			73		
54			74		
55			75		
56			76		
57			77		
58			78	Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F		

MSM6374-553 Voice Word Address Corresponding List (for Japanese Time Signal)
 Specification: Fosc = 64kHz, Option G

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
40			60		
41	"じゅう"	6.4	61		
42	"にじゅう"	6.4	62		
43	"さんじゅう"	6.4	63		
44	"よんじゅう"	6.4	64		
45	"ごじゅう"	6.4	65		
46			66		
47	"件"	6.4	67		
48			68		
49			69		
4A			6A		
4B			6B		
4C			6C		
4D			6D		
4E			6E		
4F			6F		
50			70	BEEP Sound Code	
51	"午前"	6.4	71		
52	"午後"	6.4	72		
53	"ぶん"	6.4	73		
54	"ふん"	6.4	74		
55	"です"	6.4	75		
56			76		
57	"メモ"	6.4	77	↓	
58			78	Test Code	
59			79		
5A			7A		
5B			7B		
5C			7C		
5D			7D		
5E			7E		
5F			7F	↓	

Address	Voice Word	fs(kHz)	Address	Voice Word	fs(kHz)
00	STOP Code	—	20	"いっ" (分)	6.4
01	"いち" (時)	6.4	21	"さん" (分)	6.4
02	"に" (時、分)	6.4	22	"よん" (分)	6.4
03	"さん" (時)	6.4	23	"ご" (分)	6.4
04	"よ" (時)	6.4	24	"ろっ" (分)	6.4
05	"ご" (時)	6.4	25	"なな" (分)	6.4
06	"ろく" (時)	6.4	26	"はっ" (分)	6.4
07	"なな" (時)	6.4	27	"きゅう" (分)	6.4
08			28		
09			29		
0A			2A		
0B			2B		
0C			2C		
0D			2D		
0E			2E		
0F			2F		
10	"はち" (時)	6.4	30		
11	"く" (時)	6.4	31	"じゅう" (分)	6.4
12	"じゅう" (時)	6.4	32	"にじゅう" (分)	6.4
13	"じゅういち" (時)	6.4	33	"さんじゅう" (分)	6.4
14	"じゅうに" (時)	6.4	34	"よんじゅう" (分)	6.4
15	"れい" (時)	6.4	35	"ごじゅう" (分)	6.4
16			36		
17	"時"	6.4	37		
18			38		
19			39		
1A			3A		
1B			3B		
1C			3C		
1D			3D		
1E			3E		
1F			3F		

MSM6650 family general-purpose ROM codes

MSM6653-301 Phrase Control Table (Address Corresponding List for Demonstration)

Specification: Option C

X address	Voice word
00	—
01	(Pekingese / 0.8 kHz) <Silence> (0.5 sec) (English / 0.8 kHz) <Silence> (0.5 sec) (German / 0.8 kHz) <Silence> (0.5 sec) (French / 0.8 kHz) <Silence> (0.5 sec)
02	(Spanish / 0.8 kHz) <Silence> (0.5 sec) (Korean / 0.8 kHz) <Silence> (0.5 sec) (Japanese / 0.8 kHz) <Silence> (0.5 sec) (Italian / 0.8 kHz) <Silence> (0.5 sec)
03	(Pekingese / 10.6 kHz) <Silence> (0.5 sec) (Pekingese / 8.0 kHz) <Silence> (0.5 sec) (Pekingese / 5.3 kHz)
04	(English / 10.6 kHz) <Silence> (0.5 sec) (English / 8.0 kHz) <Silence> (0.5 sec) (English / 5.3 kHz)
05	(German / 10.6 kHz) <Silence> (0.5 sec) (German / 8.0 kHz) <Silence> (0.5 sec) (German / 5.3 kHz)
06	(French / 10.6 kHz) <Silence> (0.5 sec) (French / 8.0 kHz) <Silence> (0.5 sec) (French / 5.3 kHz)
07	(Spanish / 10.6 kHz) <Silence> (0.5 sec) (Spanish / 8.0 kHz) <Silence> (0.5 sec) (Spanish / 5.3 kHz)
08	(Korean / 10.6 kHz) <Silence> (0.5 sec) (Korean / 8.0 kHz) <Silence> (0.5 sec) (Korean / 5.3 kHz)
09	(Japanese / 10.6 kHz) <Silence> (0.5 sec) (Japanese / 8.0 kHz) <Silence> (0.5 sec) (Japanese / 5.3 kHz)
0A	(Italian / 10.6 kHz) <Silence> (0.5 sec) (Italian / 8.0 kHz) <Silence> (0.5 sec) (Italian / 5.3 kHz)
0B	(Pekingese / 8.0 kHz / Fade-out, 4 times)
0C	(English / 8.0 kHz / Fade-out, 4 times)
0D	(German / 8.0 kHz / Fade-out, 4 times)
0E	(French / 8.0 kHz / Fade-out, 4 times)
0F	(Spanish / 8.0 kHz / Fade-out, 4 times)
10	(Korean / 8.0 kHz / Fade-out, 4 times)
11	(Japanese / 8.0 kHz / Fade-out, 4 times)
12	(Italian / 8.0 kHz / Fade-out, 4 times)
13	(Pekingese / 8.0 kHz / Echo)
14	(English / 8.0 kHz / Echo)
15	(German / 8.0 kHz / Echo)
16	(French / 8.0 kHz / Echo)
17	(Spanish / 8.0 kHz / Echo)
18	(Korean / 8.0 kHz / Echo)
19	(Japanese / 8.0 kHz / Echo)
1A	(Italian / 8.0 kHz / Echo)
1B	(Pekingese / 10.6 kHz)
1C	(Pekingese / 8.0 kHz)
1D	(Pekingese / 5.3 kHz)
1E	(English / 10.6 kHz)
1F	(English / 8.0 kHz)

MSM6653-301 Phrase Control Table (Address Corresponding List for Demonstration)
Specification: Option C

(Continued)

X address	Voice word
20	(English / 5.3 kHz)
21	(German / 10.6 kHz)
22	(German / 8.0 kHz)
23	(German / 5.3 kHz)
24	(French / 10.6 kHz)
25	(French / 8.0 kHz)
26	(French / 5.3 kHz)
27	(Spanish / 10.6 kHz)
28	(Spanish / 8.0 kHz)
29	(Spanish / 5.3 kHz)
2A	(Korean / 10.6 kHz)
2B	(Korean / 8.0 kHz)
2C	(Korean / 5.3 kHz)
2D	(Japanese / 10.6 kHz)
2E	(Japanese / 8.0 kHz)
2F	(Japanese / 5.3 kHz)
30	(Italian / 10.6 kHz)
31	(Italian / 8.0 kHz)
32	(Italian / 5.3 kHz)

MSM6653-301 Voice Word Address Corresponding List (for Demonstration)

Y address	Voice word	Voice synthesis method	fs [kHz]
00	—	—	—
01	(Pekingese 2-A / Female)	ADPCM	10.6
02	(Pekingese 2-A / Female)	ADPCM	8.0
03	(Pekingese 2-A / Female)	ADPCM	5.3
04	(English 2-B / Female)	ADPCM	10.6
05	(English 2-B / Female)	ADPCM	8.0
06	(English 2-B / Female)	ADPCM	5.3
07	(German 2-A / Male)	ADPCM	10.6
08	(German 2-A / Male)	ADPCM	8.0
09	(German 2-A / Male)	ADPCM	5.3
0A	(French 2-A / Female)	ADPCM	10.6
0B	(French 2-A / Female)	ADPCM	8.0
0C	(French 2-A / Female)	ADPCM	5.3
0D	(Spanish 2-A / Male)	ADPCM	10.6
0E	(Spanish 2-A / Male)	ADPCM	8.0
0F	(Spanish 2-A / Male)	ADPCM	5.3
10	(Korean 2-A / Female)	ADPCM	10.6
11	(Korean 2-A / Female)	ADPCM	8.0
12	(Korean 2-A / Female)	ADPCM	5.3
13	(Japanese 2-A / Female)	ADPCM	10.6
14	(Japanese 2-A / Female)	ADPCM	8.0
15	(Japanese 2-A / Female)	ADPCM	5.3
16	(Italian 2-C / Female)	ADPCM	10.6
17	(Italian 2-C / Female)	ADPCM	8.0
18	(Italian 2-C / Female)	ADPCM	5.3

MSM6654-405 Phrase Control Table (Address Corresponding List for Demonstration)
 Specification: Option C

Address	Voice word	Remarks
X00	—	No voice phrase
X01	Y01+Y02+Y03+Y04+Y05+Y06	
X02	(F4) Y07	(F4) Fade-out + four repetitions
X03	(E) Y08	(E) Echo (No. 1)
X04	(E) Y08	(E) Echo (No. 2)
X05	(E) Y08	(E) Echo (No. 3)
X06	(2) Y09+<Beep tone (4 times)>	(2) Two repetitions
X07	(F4) (4) (E) Y08 (BGM) Y0D+Y0A	Phrase playback, with a melody to be repeated four times as BGM, then an echo playback
X08	(F4) Y07	
X09	(F4) (F4) (F4) Y0E+Y0F+Y10	
X0A	(F4) (F4) Y07+Y07	
X0B	Y0B+Y0C	
X0C	Y0A+Y0D	(4) Four repetitions
X0D	Y06	
X0E	(F2) Y09+<Beep tone (4 times)>	(F2) Fade-out + two repetitions
X0F	—	
X10	—	No voice phrase
X11	Y01	
X12	Y0A	
X13	Y02	
X14	Y01	
X15	Y03	
X16	Y04	
X17	Y05	

MSM6654-405 Phrase Control Table (Address Corresponding List for Demonstration)
 Specification: Option C

(Continued)

Address	Voice word	Remarks
X18	Y0C	
X19	Y06	
X1A	Y0A	
X1B	Y07	
X1C	Y0B	
X1D	Y0E	
X1E	Y0C	
X1F	Y0F	
X20	—	No voice phrase
X21	Y08	
X22	Y09	
X23	Y0B	
X24	Y0A	
X25	Y0E	
X26	Y0F	
X27	Y10	
X28	Y02	
X29	Y03	
X2A	Y04	
X2B	Y05	
X2C	Y06	
X2D	Y07	
X2E	Y08	
X2F	Y09	

MSM6654-405 Voice Word Address Corresponding List (for Demonstration)

Address	Voice phrase contents
Y00	—
Y01	"5種類のサンプリング周波数による音の違いをお聞き下さい。"
Y02	"4 kHz" + <music>
Y03	"5.3 kHz" + <music>
Y04	"6.4 kHz" + <music>
Y05	"8 kHz" + <music>
Y06	"16 kHz" + <music>
Y07	"フェードアウト機能"
Y08	"2チャンネルミキシング機能"
Y09	"ピープ音"
Y0A	"メロディ機能"
Y0B	"PCM"
Y0C	<1kHz sinusoidal wave> (0.5 second)
Y0D	<Melody sound> (cuckoo)
Y0E	<500 Hz sinusoidal wave> (0.3 second)
Y0F	<500 Hz sinusoidal wave> (0.3 second)
Y10	<500 Hz sinusoidal wave> (0.1 second)

MSM6654-410 Phrase Control Table (Address Corresponding List for Demonstration)
Specification: Option A

X address	Voice word
00	—
01	"ありがとう ありがとう ありがとう" (0.5 second between phrases)
02	"Thanks a lot Thanks a lot Thanks a lot" (0.5 second between phrases)
03	"ありがとう" (Echo)
04	"Thanks a lot" (Echo)
05	"ありがとう" (Fade-out, 4 times)
06	"Thanks a lot" (Fade-out, 4 times)
07	"Beep Beep Beep Explosion sound" (Silence for 1 second between phrases)
08	"rring, rring, . . ." (Fade-in, 3 times) "申し訳ございません。ただ今席をはずしております。"
09	<Doorbell sound> (Echo) "上へまいります。"
0A	<Doorbell sound> (Echo) "下へまいります。"
0B	"ありがとう" ($f_s=10.6\text{kHz}$)
0C	"ありがとう" ($f_s=8.0\text{kHz}$)
0D	"ありがとう" ($f_s=5.3\text{kHz}$)
0E	"Thanks a lot" ($f_s=10.6\text{ kHz}$)
0F	"Thanks a lot" ($f_s=8.0\text{ kHz}$)
10	"Thanks a lot" ($f_s=5.3\text{ kHz}$)
11	<Sound effects>
12	<Explosion sound>
13	<Telephone bell sound>
14	"申し訳ございません。"
15	"ただ今席をはずしております。"
16	<Doorbell sound>
17	"上へまいります。"
18	"下へまいります。"

MSM6654-410 Voice Word Address Corresponding List (for Demonstration)

Y address	Voice word	Voice synthesis method	fs [kHz]
00	—	—	—
01	"ありがとう"	ADPCM	10.6
02	"ありがとう"	ADPCM	8.0
03	"ありがとう"	ADPCM	5.3
04	"Thanks a lot"	ADPCM	10.6
05	"Thanks a lot"	ADPCM	8.0
06	"Thanks a lot"	ADPCM	5.3
07	<Sound effects>	ADPCM	16.0
08	<Explosion sound>	ADPCM	16.0
09	<Telephone bell sound>	ADPCM	16.0
0A	"申し訳ございません。"	ADPCM	16.0
0B	"ただ今席を外しております。"	ADPCM	16.0
0C	<Doorbell sound>	ADPCM	16.0
0D	"上へまいります。"	ADPCM	16.0
0E	"下へまいります。"	ADPCM	16.0

MSM6656-601 Phrase Control Table (Address Corresponding List for Demonstration)
Specification: Option C

X address	Voice word
01	"4種類のサンプリング周波数による、音の違いをお聞き下さい。" "16 kHz" <Music> "8 kHz" <Music> "6.4 kHz" <Music> "5.3 kHz" <Music>
02	"ADPCM" <A female's scream> "PCM" <A female's scream> (Playback method: PCM)
03	"フェードアウト機能" <Cuckoo sound> (4 times)
04	"2チャンネルミキシング機能" "エコーですね。" (echo) "このようにBGMをかけることも出来ます。" (with BGM)
05	"ビーブ音" <Beep tone> (Edit ROM)
06	"メロディー" <Melody>
07	"16 kHz" <Music>
08	"8 kHz" <Music>
09	"6.4 kHz" <Music>
0A	"5.3 kHz" <Music>

MSM6656-603 Phrase Control Table (Address Corresponding List for Demonstration)
Specification: Option C

X address	Voice word
01	"One can hear four different sounds by using four kinds of sampling frequency." "16 kHz" <MUSIC> "8 kHz" <MUSIC> "6.4 kHz" <MUSIC> "5.3 kHz" <MUSIC>
02	"ADPCM" <A female's scream> "PCM" <A female's scream>
03	"Fade-out function" <a cuckoo sound> (4 times)
04	"2-channel mixing Echo sounds" (with echo) "Background music is also produced by mixing various kinds of sounds" (with BGM)
05	"Beep tone" <Beep tone>
06	"Melody" <Melody>
07	"16 kHz" <MUSIC>
08	"8 kHz" <MUSIC>
09	"6.4 kHz" <MUSIC>
0A	"5.3 kHz" <MUSIC>

MSM6658A-800 Phrase Control Table (Address Corresponding List for Demonstration)
Specification: Option A

X address	Voice word
00	—
01	"32 kHz" (Japanese) <Music>
02	"16 kHz" (Japanese) <Music>
03	"12.8 kHz" (Japanese) <Music>
04	"10.6 kHz" (Japanese) <Music>
05	"8 kHz" (Japanese) <Music>
06	"6.4 kHz" (Japanese) <Music>
07	"5.3 kHz" (Japanese) <Music>
08	"ADPCM" (Japanese) <A female's scream> (Playback method: ADPCM) "PCM" (Japanese) <A female's scream> (Playback method: PCM)
09	"フェードアウト機能" <Cuckoo sound> (Four repetitions. Fade-out)
0A	"2チャンネルミキシング機能" "エコーですね。" (echo) "このようにBGMをかけることも出来ます" (with BGM)
0B	"ビーブ音" <Beep tone>
0C	"メロディ" <Melody>
0D	
0E	
0F	
10	
11	"32 kHz" <Music>
12	"16 kHz" <Music>
13	"12.8 kHz" <Music>
14	"10.6 kHz" <Music>
15	"8 kHz" <Music>
16	"6.4 kHz" <Music>
17	"5.3 kHz" <Music>
18	"ADPCM" <A female's scream> (Playback method: ADPCM) "PCM" <A female's scream> (Playback method: PCM)
19	"Fade-out function." <Cuckoo sound> (Four repetitions. Fade-out)
1A	"2-Channel Mixing" "Echo sounds" (Echo) "Back ground music is also produced by mixing various kinds of sounds" (with BGM)
1B	"Beep tone" <Beep tone>
1C	"Melody" <Melody>

MSM6658A-800 Voice Word Address Corresponding List (for Demonstration)

Y address	Voice word	Voice synthesis method	fs [kHz]
00	—	—	—
01	"32 kHz" (Japanese)	ADPCM	32.0
02	"16 kHz" (Japanese)	ADPCM	16.0
03	"12.8 kHz" (Japanese)	ADPCM	12.8
04	"10.6 kHz" (Japanese)	ADPCM	10.6
05	"8 kHz" (Japanese)	ADPCM	8.0
06	"6.4 kHz" (Japanese)	ADPCM	6.4
07	"5.3 kHz" (Japanese)	ADPCM	5.3
08	"ADPCM" (Japanese)	ADPCM	6.4
09	"PCM" (Japanese)	ADPCM	6.4
0A	"フェードアウト機能"	ADPCM	6.4
0B	"2チャンネルミキシング"	ADPCM	6.4
0C	"エコーですね"	ADPCM	6.4
0D	"このようにBGMをかけることも出来ます"	ADPCM	6.4
0E	"ビーブ音"	ADPCM	6.4
0F	"メロディ"	ADPCM	6.4
10	—	—	—
11	"32 kHz"	ADPCM	32.0
12	"16 kHz"	ADPCM	16.0
13	"12.8 kHz"	ADPCM	12.8
14	"10.6 kHz"	ADPCM	10.6
15	"8 kHz"	ADPCM	8.0
16	"6.4 kHz"	ADPCM	6.4
17	"5.3 kHz"	ADPCM	5.3
18	"ADPCM"	ADPCM	6.4
19	"PCM"	ADPCM	6.4
1A	"Fede-out function"	ADPCM	6.4
1B	"2-channel Mixing"	ADPCM	6.4
1C	"Echo Sound"	ADPCM	6.4
1D	"Background music is also produced by mixing various kinds of sounds"	ADPCM	6.4
1E	"Beep Tone"	ADPCM	6.4
1F	"Melody"	ADPCM	6.4

MSM6658A-800 Voice Word Address Corresponding List (for Demonstration)

(Continued)

Y address	Voice word	Voice synthesis method	fs [kHz]
20	—	—	—
21	<Music> (32.0 kHz)	ADPCM	32.0
22	<Music> (16.0 kHz)	ADPCM	16.0
23	<Music> (12.8 kHz)	ADPCM	12.8
24	<Music> (10.8 kHz)	ADPCM	10.6
25	<Music> (8.0 kHz)	ADPCM	8.0
26	<Music> (6.4 kHz)	ADPCM	6.4
27	<Music> (5.3 kHz)	ADPCM	5.3
28	<A female's scream> (playback method: ADPCM)	ADPCM	10.6
29	<A female's scream> (playback method: PCM)	PCM	10.6
2A	<Cuckoo sound>	ADPCM	8.0
2B	<BGM>	ADPCM	6.4
2C	<Melody>	ADPCM	8.0

MSM6596A series general-purpose ROM codes

Contents of MSM6596A-900 addresses

Address	Contents
01 to 2F	MSM6374-007 (Time stamp)
30 to 57	MSM6596-600 (Only time stamp)
58 to 5F	Japanese week day
60 to 6F	Greetings in eight languages
70 to 73	ADPCM long-change phrases (Japanese/English)
74 to 76	Effect sound
77 to 79	Animal voice

Greetings in eight languages at addresses 60 to 6F

Address	Contents
Chinese (60)	"你好"
Chinese (61)	"再見"
English (62)	"Hello"
English (63)	"Good-by"
German (64)	"Guten tag"
German (65)	"Aufwiedersehen"
French (66)	"Bonjour Monsieur"
French (67)	"Au revoir Monsieur"
Spanish (68)	"Buenos dias"
Spanish (69)	"Adios"
Korean (6A)	"안녕하십니까?"
Korean (6B)	"안녕하 가십시오."
Japanese (6C)	"こんにちは"
Japanese (6D)	"さようなら"
Italian (6E)	"Buongiorno Signore"
Italian (6F)	"Arrivederla Sibnore"

MSM6596A-900 Voice word Address Corresponding List
 (time stamp and demonstration) 1/4

Y Address	Voice word	M6388 and M6588 start address	M6388 stop address and M6588 upper stop address	M6588 lower stop address	ADPCM data width	fs (kHz)	Playback time (seconds)
01	"ALARM"	0	B	71	4	6.4	0.48
02	"SETTING"	C	16	4B	4	6.4	0.42
03	"ON"	17	1E	55	4	6.4	0.31
04	"OFF"	1F	25	67	4	6.4	0.27
05	"HOUR"	26	2E	67	4	6.4	0.35
06	"MINUTE"	2F	37	35	4	6.4	0.34
07	"SECOND"	38	41	0B	4	6.4	0.36
08	"NINE"	42	4D	0D	4	6.4	0.44
09	"TEN"	4E	56	31	4	6.4	0.34
0A	"ELEVEN"	57	65	37	4	6.4	0.58
0B	"TWELVE"	66	70	47	4	6.4	0.42
0C	"ZERO"	71	7F	09	4	6.4	0.56
0D	"TWEN-"	80	85	33	4	6.4	0.22
0E	"THIR-"	86	8A	57	4	6.4	0.19
0F	"FIF-"	8B	90	47	4	6.4	0.22
10	"TY-FOUR"	91	A2	0D	4	6.4	0.68
11	"TY-FIVE"	A3	B6	47	4	6.4	0.78
12	"TY-SIX"	B7	C6	5B	4	6.4	0.63
13	"TY-SEVEN"	C7	D6	01	4	6.4	0.60
14	"TY-EIGHT"	D7	E6	4B	4	6.4	0.62
15	"TY-NINE"	E7	F6	6B	4	6.4	0.63
16	"-TY"	F7	FD	2B	4	6.4	0.25
17	"-TEEN"	FE	106	3D	4	6.4	0.34
18	"ONE"	107	110	39	4	6.4	0.38
19	"TWO"	111	118	1B	4	6.4	0.29
1A	"THREE"	119	121	01	4	6.4	0.32
1B	"FOUR"	122	12B	0D	4	6.4	0.36
1C	"FIVE"	12C	135	4B	4	6.4	0.38
1D	"SIX"	136	140	2D	4	6.4	0.41
1E	"SEVEN"	141	14A	51	4	6.4	0.39
1F	"EIGHT"	14B	152	2B	4	6.4	0.29
20	"O'CLOCK"	153	163	35	4	6.4	0.66
21	"SIX-"	164	16B	73	4	6.4	0.32
22	"SEVEN-"	16C	176	05	4	6.4	0.40
23	"EIGHT-"	177	17D	2B	4	6.4	0.25
24	"NINE-"	17E	186	11	4	6.4	0.33

MSM6596A-900 Voice word Address Corresponding List
 (time stamp and demonstration) 2/4

Y Address	Voice word	M6388 and M6588 start address	M6388 stop address and M6588 upper stop address	M6588 lower stop address	ADPCM data width	fs (kHz)	Playback time (seconds)
24	"TY-ONE"	187	196	0F	4	6.4	0.58
25	"TY-TWO"	197	1A6	45	4	6.4	0.58
26	"TY-THREE"	1A7	1B7	3B	4	6.4	0.58
27	"OH"	1B8	1BF	65	4	6.4	0.58
28	"FOR-"	1C0	1C6	31	4	6.4	0.58
2A	"TO GO"	1C7	1D4	29	4	6.4	0.58
2B	"IT'S"	1D5	1DC	11	4	6.4	0.58
2C	<Silence> (50 ms)	1DD	1DE	1D	4	6.4	0.58
2D	<Silence> (200 ms)	1DF	1E3	7D	4	6.4	0.58
2E	"AM"	1E4	1F2	55	4	6.4	0.58
2F	"PM"	1F3	201	73	4	6.4	0.58
30	"午前"	202	212	5D	4	6.4	0.58
31	"午後"	213	221	31	4	6.4	0.58
32	"メモ"	222	22D	27	4	6.4	0.45
33	"れい" (Hours)	22E	239	27	4	6.4	0.45
34	"いち" (Hours)	23A	244	74	4	6.4	0.44
35	"に" (Hours and minutes)	245	24C	33	4	6.4	0.30
36	"さん" (Hours)	24D	257	0F	4	6.4	0.40
37	"よ" (Hours)	258	25F	01	4	6.4	0.28
38	"ご" (Hours)	260	266	4F	4	6.4	0.26
39	"ろく" (Hours)	267	271	43	4	6.4	0.42
3A	"なな" (Hours)	272	27C	39	4	6.4	0.42
3B	"はち" (Hours)	27D	288	27	4	6.4	0.45
3C	"く" (Hours)	289	28F	1D	4	6.4	0.25
3D	"じゅう" (Hours)	290	29A	57	4	6.4	0.43
3E	"じゅういち" (Hours)	29B	2AF	25	4	6.4	0.81
3F	"じゅうに" (Hours)	2B0	2BF	15	4	6.4	0.61
40	"時"	2C0	2C4	5F	4	6.4	0.19
41	"じゅう" (Hours)	2C5	2D0	21	4	6.4	0.45
42	"にじゅう" (Hours)	2D1	2DF	0D	4	6.4	0.56
43	"さんじゅう" (Hours)	2E0	2F0	27	4	6.4	0.65
44	"よんじゅう" (Hours)	2F1	301	7B	4	6.4	0.68
45	"ごじゅう" (Hours)	302	30F	1F	4	6.4	0.53
46	"いっ" (Minutes)	310	319	5F	4	6.4	0.39
47	"さん" (Minutes)	31A	323	69	4	6.4	0.39
48	"よん" (Minutes)	324	32D	23	4	6.4	0.37
49	"ご" (Minutes)	32E	335	79	4	6.4	0.32
4A	"ろっ" (Minutes)	336	33F	13	4	6.4	0.37

MSM6596A-900 Voice word Address Corresponding List
 (time stamp and demonstration) 3/4

Y Address	Voice word	M6388 and M6588 start address	M6388 stop address and M6588 upper stop address	M6588 lower stop address	ADPCM data width	fs (kHz)	Playback time (seconds)
4B	"なな" (Minutes)	340	34A	3B	4	6.4	0.42
4C	"はっ" (Minutes)	34B	354	2D	4	6.4	0.37
4D	"きゅう" (Minutes)	355	35D	07	4	6.4	0.32
4E	"じゅっ" (Minutes)	35E	368	6F	4	6.4	0.44
4F	"にじゅっ" (Minutes)	369	377	19	4	6.4	0.57
50	"さんじゅっ" (Minutes)	378	388	77	4	6.4	0.68
51	"よんじゅっ" (Minutes)	389	39A	37	4	6.4	0.70
52	"ごじゅっ" (Minutes)	39B	3A8	53	4	6.4	0.55
53	"ぜろ"	3A9	3B3	11	4	6.4	0.41
54	"ふん"	3B4	3BC	33	4	6.4	0.34
55	"ぷん"	3BD	3C5	4D	4	6.4	0.34
56	"件"	3C6	3CF	31	4	6.4	0.38
57	"です"	3D0	3D4	37	4	6.4	0.18
58	"月"	3D5	3DF	35	4	6.4	0.42
59	"火"	3E0	3E5	3D	4	6.4	0.22
5A	"水"	3E6	3EE	25	4	6.4	0.33
5B	"木"	3EF	3F8	7D	4	6.4	0.40
5C	"金"	3F9	402	1B	4	6.4	0.37
5D	"土"	403	409	17	4	6.4	0.25
5E	"日"	40A	414	73	4	6.4	0.44
5F	"曜日"	415	421	4D	4	6.4	0.50
60	<Greetings> (Chinese)	422	434	71	4	8.0	0.60
61	" "	435	448	41	4	8.0	0.62
62	<Greetings> (English)	449	45A	59	4	8.0	0.57
63	" "	45B	46E	05	4	8.0	0.61
64	<Greetings> (German)	46F	487	05	4	8.0	0.77
65	" "	488	4A1	59	4	8.0	0.82
66	<Greetings> (French)	4A2	4BC	73	4	8.0	0.86
67	" "	4BD	4D5	3F	4	8.0	0.78
68	<Greetings> (Spanish)	4D6	4ED	5D	4	8.0	0.76
69	" "	4EE	5FB	77	4	8.0	0.45
6A	<Greetings> (Korean)	4FC	522	58	4	8.0	1.24
6B	" "	523	549	17	4	8.0	1.22
6C	<Greetings> (Japanese)	54A	55E	4F	4	8.0	0.66
6D	" "	55F	576	3F	4	8.0	0.75
6E	<Greetings> (Italian)	577	5A1	27	4	8.0	1.35
6F	" "	5A2	5D8	4B	4	8.0	1.75

MSM6596A-900 Voice word Address Corresponding List
(time stamp and demonstration) 4/4

Y Address	Voice word	M6388 and M6588 start address	M6388 stop address and M6588 upper stop address	M6588 lower stop address	ADPCM data width	fs (kHz)	Playback time (seconds)
70	<Japanese greetings> (3 bits)	5D9	5EF	49	4	8.0	0.95
71	<Japanese greetings> (4 bits)	5F0	60D	65	4	8.0	0.95
72	<English greetings> (3 bits)	60E	61F	15	4	8.0	0.73
73	<English greetings> (4 bits)	620	636	5F	4	8.0	0.73
74	<Effect sound - 1>	637	660	29	4	8.0	1.32
75	<Effect sound - 2>	661	68A	7F	4	8.0	1.34
76	<Effect sound - 3>	68B	6EB	29	4	8.0	3.08
77	<Barking of dog>	6EC	709	7D	4	8.0	0.96
78	<Roar of lion>	70A	789	27	4	8.0	4.07
79	<Lowling of cattle>	78A	7E1	43	4	8.0	2.80

MSM6597A-750 Voice word Address Corresponding List
 (For general-purpose application) 1/5

- (1) M6388, M6588 start address
- (2) M6388 stop address
M6588 upper stop address
- (3) M6588 lower stop address

Y Address	Voice word	(1)	(2)	(3)	Playback time [seconds]	fs [kHz]	ADPCM data width
00	—	—	—	—	—	—	—
01	"午前"	0	10	5D	0.67	6.4	4
02	"午後"	11	1F	31	0.58	6.4	4
03	"メモ"	20	2B	27	0.45	6.4	4
04	"れい" (Hours)	2C	37	27	0.45	6.4	4
05	"いち" (Hours)	38	42	74	0.44	6.4	4
06	"に" (Hours and minues)	43	4A	33	0.30	6.4	4
07	"さん" (Hours)	4B	55	0F	0.40	6.4	4
08	"よ" (Hours)	56	5D	01	0.28	6.4	4
09	"ご" (Hours)	5E	64	4F	0.26	6.4	4
0A	"ろく" (Hours)	65	6F	43	0.42	6.4	4
0B	"なな" (Hours)	70	7A	39	0.42	6.4	4
0C	"はち" (Hours)	7B	86	27	0.45	6.4	4
0D	"く" (Hours)	87	8D	1D	0.25	6.4	4
0E	"じゅう" (Hours)	8E	98	57	0.43	6.4	4
0F	"じゅういち" (Hours)	99	AD	25	0.81	6.4	4
10	"じゅうに" (Hours)	AE	BD	15	0.61	6.4	4
11	"時"	BE	C2	5F	0.19	6.4	4
12	"じゅう"	C3	CE	21	0.45	6.4	4
13	"にじゅう"	CF	DD	0D	0.56	6.4	4
14	"さんじゅう"	DE	EE	27	0.65	6.4	4
15	"よんじゅう"	EF	FF	7B	0.68	6.4	4
16	"ごじゅう"	100	10D	1F	0.53	6.4	4
17	"いっ" (Minutes)	10E	117	5F	0.39	6.4	4
18	"さん" (Minutes)	118	121	69	0.39	6.4	4
19	"よん" (Minutes)	122	12B	23	0.37	6.4	4
1A	"ご" (Minutes)	12C	133	79	0.32	6.4	4
1B	"ろっ" (Minutes)	134	13D	13	0.37	6.4	4
1C	"なな" (Minutes)	13E	148	3B	0.42	6.4	4
1D	"はっ" (Minutes)	149	152	2D	0.37	6.4	4
1E	"きゅう" (Minutes)	153	15B	07	0.32	6.4	4
1F	"じゅっ" (Minutes)	15C	166	6F	0.44	6.4	4

MSM6597A-750 Voice word Address Corresponding List
 (For general-purpose application) 2/5

- (1) M6388, M6588 start address
- (2) M6388 stop address
M6588 upper stop address
- (3) M6588 lower stop address

Y Address	Voice word	(1)	(2)	(3)	Playback time [seconds]	fs [kHz]	ADPCM data width
20	"にじゅっ" (Minues)	167	175	19	0.57	6.4	4
21	"さんじゅっ" (Minues)	176	186	77	0.68	6.4	4
22	"よんじゅっ" (Minues)	187	198	37	0.70	6.4	4
23	"ごじゅっ" (Minues)	199	1A6	53	0.55	6.4	4
24	"ゼロ"	1A7	1B1	11	0.41	6.4	4
25	"ふん"	1B2	1BA	33	0.34	6.4	4
26	"ふん"	1BB	1C3	4D	0.34	6.4	4
27	"件"	1C4	1CD	31	0.38	6.4	4
28	"です"	1CE	1D2	37	0.18	6.4	4
29	<Message> (Japanese) + <music>	1D3	216	5F	4.34	4.0	4
2A	<Message> (Japanese) + <music>	217	277	35	4.66	5.3	4
2B	<Message> (Japanese) + <music>	278	2EE	47	4.74	6.4	4
2C	<Message> (Japanese) + <music>	2EF	377	47	4.37	8.0	4
2D	<Message> (Japanese) + <cattle voice>	378	3B0	13	3.59	4.0	4
2E	<Message> (Japanese) + <cattle voice>	3B1	405	19	4.07	5.3	4
2F	<Message> (Japanese) + <cattle voice>	406	464	6D	3.79	6.4	4
30	<Message> (Japanese) + <cattle voice>	465	4D0	6F	3.45	8.0	4
31	<Message> (English) + <music>	4D1	510	49	4.07	4.0	4
32	<Message> (English) + <music>	511	571	5D	4.67	5.3	4
33	<Message> (English) + <music>	572	5E8	15	4.73	6.4	4
34	<Message> (English) + <music>	5E9	663	5B	3.93	8.0	4
35	<Message> (English) + <cattle voice>	664	6A5	11	4.17	4.0	4
36	<Message> (English) + <cattle voice>	6A6	707	7D	4.73	5.3	4
37	<Message> (English) + <cattle voice>	708	77A	45	4.58	6.4	4
38	<Message> (English) + <cattle voice>	77B	7F3	25	3.85	8.0	4
39	"ALARM"	7F4	7FF	71	0.48	6.4	4
3A	"SETTING"	800	80A	4B	0.42	6.4	4
3B	"ONE"	80B	814	39	0.38	6.4	4
3C	"TWO"	815	81C	1B	0.29	6.4	4
3D	"THREE"	81D	825	01	0.32	6.4	4
3E	"FOUR"	826	82F	0D	0.36	6.4	4
3F	"FIVE"	830	839	4B	0.38	6.4	4

MSM6597A-750 Voice word Address Corresponding List
 (For general-purpose application) 3/5

- (1) M6388, M6588 start address
- (2) M6388 stop address
M6588 upper stop address
- (3) M6588 lower stop address

Y Address	Voice word	(1)	(2)	(3)	Playback time [seconds]	fs [kHz]	ADPCM data width
40	"SIX"	83A	844	2D	0.41	6.4	4
41	"SEVEN"	845	84E	51	0.39	6.4	4
42	"EIGHT"	84F	856	2B	0.29	6.4	4
43	"NINE"	857	862	0D	0.44	6.4	4
44	"TEN"	863	86B	31	0.34	6.4	4
45	"ELEVEN"	86C	87A	37	0.58	6.4	4
46	"TWELVE"	87B	885	47	0.42	6.4	4
47	"ZERO"	886	894	09	0.56	6.4	4
48	"TWEEN-"	895	89A	33	0.22	6.4	4
49	"THIR-"	89B	89F	57	0.19	6.4	4
4A	"FOR-"	8A0	8A6	31	0.26	6.4	4
4B	"FIF-"	8A7	8AC	47	0.22	6.4	4
4C	"TY-ONE"	8AD	8BC	0F	0.60	6.4	4
4D	"TY-TWO"	8BD	8CC	45	0.62	6.4	4
4E	"TY-THREE"	8CD	8DD	3B	0.66	6.4	4
4F	"TY-FOUR"	8DE	8EF	0D	0.68	6.4	4
50	"TY-FIVE"	8F0	903	47	0.78	6.4	4
51	"TY-SIX"	904	913	5B	0.63	6.4	4
52	"TY-SEVEN"	914	923	01	0.60	6.4	4
53	"TY-EIGHT"	924	933	4B	0.62	6.4	4
54	"TY-NINE"	934	943	6B	0.63	6.4	4
55	"-TEEN"	944	94C	3D	0.34	6.4	4
56	"-TY"	94D	953	2B	0.25	6.4	4
57	"SIX-"	954	95B	73	0.32	6.4	4
58	"SEVEN-"	95C	966	05	0.40	6.4	4
59	"EIGHT-"	967	96D	2B	0.25	6.4	4
5A	"NINE-"	96E	976	11	0.33	6.4	4
5B	"OH"	977	97E	65	0.31	6.4	4
5C	"IT'S"	97F	986	11	0.29	6.4	4
5D	<Silence> (50 ms)	987	988	1D	0.05	6.4	4
5E	<Silence> (200 ms)	989	98D	7D	0.20	6.4	4
5F	"AM"	98E	99C	55	0.59	6.4	4

MSM6597A-750 Voice word Address Corresponding List
 (For general-purpose application) 4/5

- (1) M6388, M6588 start address
- (2) M6388 stop address
M6588 upper stop address
- (3) M6588 lower stop address

Y Address	Voice word	(1)	(2)	(3)	Playback time [seconds]	fs [kHz]	ADPCM data width
60	"PM"	99D	9AB	73	0.60	6.4	4
61	"ALARM"	9AC	9B4	A1	0.48	6.4	3
62	"SETTING"	9B5	9BC	A5	0.42	6.4	3
63	"ONE"	9BD	9C4	13	0.38	6.4	3
64	"TWO"	9C5	9CA	49	0.29	6.4	3
65	"THREE"	9CB	9D1	05	0.32	6.4	3
66	"FOUR"	9D2	9D8	91	0.36	6.4	3
67	"FIVE"	9D9	9E0	25	0.38	6.4	3
68	"SIX"	9E1	9E8	87	0.41	6.4	3
69	"SEVEN"	9E9	9F0	2B	0.39	6.4	3
6A	"EIGHT"	9F1	9F6	59	0.29	6.4	3
6B	"NINE"	9F7	9FF	3D	0.44	6.4	3
6C	"TEN"	A00	A06	35	0.34	6.4	3
6D	"ELEVEN"	A07	A11	93	0.58	6.4	3
6E	"TWELVE"	A12	A19	A1	0.42	6.4	3
6F	"ZERO"	A1A	A24	65	0.56	6.4	3
70	"TWIN-"	A25	A29	0B	0.22	6.4	3
71	"THIR-"	A2A	A2D	59	0.19	6.4	3
72	"FOR-"	A2E	A32	89	0.26	6.4	3
73	"FIF-"	A33	A37	1F	0.22	6.4	3
74	"TY-ONE"	A38	A43	41	0.60	6.4	3
75	"TY-TWO"	A44	A4F	77	0.62	6.4	3
76	"TY-THREE"	A50	A5C	43	0.66	6.4	3
77	"TY-FOUR"	A5D	A69	95	0.68	6.4	3
78	"TY-FIVE"	A6A	A78	7B	0.78	6.4	3
79	"TY-SIX"	A79	A84	8D	0.63	6.4	3
7A	"TY-SEVEN"	A85	A90	33	0.60	6.4	3
7B	"TY-EIGHT"	A91	A9C	7D	0.62	6.4	3
7C	"TY-NINE"	A9D	AA8	9D	0.63	6.4	3
7D	"-TEEN"	AA9	AAF	41	0.34	6.4	3
7E	"-TY"	AB0	AB4	83	0.25	6.4	3
7F	"SIX-"	AB5	ABA	A1	0.32	6.4	3

MSM6597A-750 Voice word Address Corresponding List
(For general-purpose application) 5/5

- (1) M6388, M6588 start address
- (2) M6388 stop address
M6588 upper stop address
- (3) M6588 lower stop address

Y Address	Voice word	(1)	(2)	(3)	Playback time [seconds]	fs [kHz]	ADPCM data width
80	"SEVEN-"	ABB	AC2	5F	0.40	6.4	3
81	"EIGHT-"	AC3	AC7	83	0.25	6.4	3
82	"NINE-"	AC8	ACE	15	0.33	6.4	3
83	"OH"	ACF	AD4	93	0.31	6.4	3
84	"IT'S"	AD5	ADA	3F	0.29	6.4	3
85	<Silence> (50 ms)	ADB	ADB	9D	0.05	6.4	3
86	<Silence> (200 ms)	ADC	ADF	7F	0.20	6.4	3
87	"AM"	AE0	AEB	07	0.59	6.4	3
88	"PM"	AEC	AF7	25	0.60	6.4	3

MSM9800 series general-purpose ROM codes**MSM9802-200** Phrase Control Table (Address Corresponding List for Demonstration)

X Address	Voice Word
00	—
01	<Sound of a bell> (straight PCM, 8 kHz)
02	<Sound of a bell> (nonlinear PCM, 8 kHz)
03	<Birdcall> (straight PCM, 8 kHz)
04	<Birdcall> (nonlinear PCM, 8 kHz)
05	<Sound of a bell> (straight PCM, 8 kHz), <Sound of a bell> (nonlinear PCM, 8 kHz)
06	<Birdcall> (straight PCM, 8 kHz), <Birdcall> (nonlinear PCM, 8 kHz)
07	<Sound of a bell> (straight PCM, 8 kHz), <Sound of a bell> (nonlinear PCM, 8 kHz), <Birdcall> (straight PCM, 8 kHz), <Birdcall> (nonlinear PCM, 8 kHz)

MSM9802-201 Voice Word Address Corresponding List (for Demonstration)

Y Address	Voice Word	Voice synthesis Method	fs [kHz]
00	—	—	—
01	<Sound of a high-hat close>	Nonlinear	16.0
02	<Sound of a high-hat close>	Nonlinear	12.8
03	<Sound of a high-hat close>	Nonlinear	10.6
04	<Sound of a high-hat close>	Nonlinear	8.0
05	<Sound of a high-hat close>	Nonlinear	6.4
06	<Sound of a high-hat close>	Nonlinear	5.3
07	<Sound of a high-hat close>	Nonlinear	4.0
08	<Sound of a bass drum>	Nonlinear	16.0
09	<Sound of a bass drum>	Nonlinear	12.8
0A	<Sound of a bass drum>	Nonlinear	10.6
0B	<Sound of a bass drum>	Nonlinear	8.0
0C	<Sound of a bass drum>	Nonlinear	6.4
0D	<Sound of a bass drum>	Nonlinear	5.3
0E	<Sound of a bass drum>	Nonlinear	4.0
0F	"Hello" (female voice)	Nonlinear	8.0
10	"Hello" (female voice)	Nonlinear	6.4
11	"Hello" (female voice)	Nonlinear	5.3
12	"Hello" (female voice)	Nonlinear	4.0
13	"今日の天気は晴れです" (female voice)	Nonlinear	8.0
14	"今日の天気は晴れです" (female voice)	Nonlinear	6.4
15	"今日の天気は晴れです" (female voice)	Nonlinear	5.3
16	"今日の天気は晴れです" (female voice)	Nonlinear	4.0

MSM9802-201 Phrase Control Table (Address Corresponding List for Demonstration)

X Address	Voice Word
00	—
01	"今日の天気は晴れです"(4.0kHz)
02	"今日の天気は晴れです"(5.3kHz)
03	"今日の天気は晴れです"(6.4kHz)
04	"今日の天気は晴れです"(8.0kHz)
05	"今日の天気は晴れです"(4.0kHz) <silence> (512ms) "Hello" (4.0kHz)
06	"今日の天気は晴れです"(5.3kHz) <silence> (512ms) "Hello" (5.3kHz)
07	"今日の天気は晴れです"(4.0kHz) <silence> (128ms) "今日の天気は晴れです" (5.3kHz) <silence> (128ms) "今日の天気は晴れです"(6.4kHz) <silence> (128ms) "今日の天気は晴れです" (8.0kHz) <silence> (128ms)
08	"今日の天気は晴れです"(4.0kHz) "今日の天気は晴れです" (5.3kHz) "今日の天気は晴れです"(6.4kHz) "今日の天気は晴れです"(8.0kHz) "Hello" (4.0kHz) "Hello" (5.3kHz) "Hello" (6.4kHz) "Hello" (8.0kHz)
09	"Hello" (4.0kHz)
0A	"Hello" (5.3kHz)
0B	"Hello" (6.4kHz)
0C	"Hello" (8.0kHz)
0D	"今日の天気は晴れです" (6.4kHz) <silence> (512ms) "Hello" (6.4kHz)
0E	"今日の天気は晴れです" (8.0kHz) <silence> (512ms) "Hello" (8.0kHz)
0F	"Hello" (4.0kHz) <silence> (128ms) "Hello" (5.3kHz) <silence> (128ms) "Hello" (6.4kHz) <silence> (128ms) "Hello" (8.0kHz) <silence> (128ms)
10	<Sound of a high-hat close> (8.0kHz) <silence> (128ms) (4 times)
11	<Sound of a high-hat close> (4.0kHz) <silence> (256ms)
12	<Sound of a high-hat close> (5.3kHz) <silence> (256ms)
13	<Sound of a high-hat close> (6.4kHz) <silence> (256ms)
14	<Sound of a high-hat close> (8.0kHz) <silence> (256ms)
15	<Sound of a bass drum> (4.0kHz) <silence> (288ms) <Sound of a high-hat close> (4.0kHz) <silence> (256ms)
16	<Sound of a bass drum> (5.3kHz) <silence> (288ms) <Sound of a high-hat close> (5.3kHz) <silence> (256ms)
17	<Sound of a high-hat close> (4.0kHz) <silence> (128ms) <Sound of a high-hat close> (5.3kHz) <silence> (128ms) <Sound of a high-hat close> (6.4kHz) <silence> (128ms) <Sound of a high-hat close> (8.0kHz) <silence> (128ms)
18	<Sound of a bass drum> (8.0kHz) <silence> (128ms) <Sound of a high-hat close> (8.0kHz) <silence> (128ms) (2 times)
19	<Sound of a bass drum> (4.0kHz) <silence> (256ms)
1A	<Sound of a bass drum> (5.3kHz) <silence> (256ms)
1B	<Sound of a bass drum> (6.4kHz) <silence> (256ms)
1C	<Sound of a bass drum> (8.0kHz) <silence> (256ms)
1D	<Sound of a bass drum> (6.4kHz) <silence> (288ms) <Sound of a high-hat close> (6.4kHz) <silence> (256ms)
1E	<Sound of a bass drum> (8.0kHz) <silence> (288ms) <Sound of a high-hat close> (8.0kHz) <silence> (256ms)
1F	<Sound of a bass drum> (4.0kHz) <silence> (128ms) <Sound of a bass drum> (5.3kHz) <silence> (128ms) <Sound of a bass drum> (6.4kHz) <silence> (128ms) <Sound of a bass drum> (8.0kHz) <silence> (128ms)

MSM9802-201 Phrase Control Table (Address Corresponding List for Demonstration)
(Continued)

X Address	Voice Word
20	<Sound of a high-hat close> (16.0kHz) <silence> (128ms) (4 times)
21	<Sound of a high-hat close> (4.0kHz) <silence> (256ms)
22	<Sound of a high-hat close> (5.3kHz) <silence> (256ms)
23	<Sound of a high-hat close> (6.4kHz) <silence> (256ms)
24	<Sound of a high-hat close> (8.0kHz) <silence> (256ms)
25	<Sound of a high-hat close> (10.6kHz) <silence> (256ms)
26	<Sound of a high-hat close> (12.8kHz) <silence> (256ms)
27	<Sound of a high-hat close> (16.0kHz) <silence> (256ms)
28	<Sound of a bass drum> (16.0kHz) <silence> (128ms) (4 times)
29	<Sound of a bass drum> (4.0kHz) <silence> (128ms)
2A	<Sound of a bass drum> (5.3kHz) <silence> (128ms)
2B	<Sound of a bass drum> (6.4kHz) <silence> (128ms)
2C	<Sound of a bass drum> (8.0kHz) <silence> (128ms)
2D	<Sound of a bass drum> (10.6kHz) <silence> (128ms)
2E	<Sound of a bass drum> (12.8kHz) <silence> (128ms)
2F	<Sound of a bass drum> (16.0kHz) <silence> (128ms)
30	<Sound of a bass drum> (16.0kHz) <silence> (288ms) <Sound of a high-hat close> (16.0kHz) <silence> (256ms) <Sound of a high-hat close> (16.0kHz) <silence> (256ms) <Sound of a high-hat close> (16.0kHz) <silence> (256ms)
31	<Sound of a bass drum> (4.0kHz) <silence> (288ms) <Sound of a high-hat close> (4.0kHz) <silence> (256ms) (2 times)
32	<Sound of a bass drum> (5.3kHz) <silence> (288ms) <Sound of a high-hat close>(5.3kHz) <silence> (256ms) (2 times)
33	<Sound of a bass drum> (6.4kHz) <silence> (288ms) <Sound of a high-hat close> (6.4kHz) <silence> (256ms) (2 times)
34	<Sound of a bass drum> (8.0kHz) <silence> (288ms) <Sound of a high-hat close> (8.0kHz) <silence> (256ms) (2 times)
35	<Sound of a bass drum> (10.6kHz) <silence> (288ms) <Sound of a high-hat close> (10.6kHz) <silence> (256ms) (2 times)
36	<Sound of a bass drum> (12.8kHz) <silence> (288ms) <Sound of a high-hat close> (12.8kHz) <silence> (256ms) (2 times)
37	<Sound of a bass drum> (16.0kHz) <silence> (288ms) <Sound of a high-hat close> (16.0kHz) <silence> (256ms) (2 times)
38	<Sound of a bass drum> (16.0kHz) <silence> (288ms) <Sound of a bass drum> (16.0kHz) <silence> (288ms) <Sound of a bass drum> (16.0kHz) <silence> (288ms) <Sound of a high-hat close> (16.0kHz) <silence> (256ms)
39	<Sound of a bass drum> (4.0kHz) <silence> (160ms) <Sound of a bass drum> (4.0kHz) <silence> (160ms) <Sound of a high-hat close> (4.0kHz) <silence> (384ms)
3A	<Sound of a bass drum> (5.3kHz) <silence> (160ms) <Sound of a bass drum> (5.3kHz) <silence> (160ms) <Sound of a high-hat close> (5.3kHz) <silence> (384ms)
3B	<Sound of a bass drum> (6.4kHz) <silence> (160ms) <Sound of a bass drum> (6.4kHz) <silence> (160ms) <Sound of a high-hat close>(6.4kHz) <silence> (384ms)
3C	<Sound of a bass drum> (8.0kHz) <silence> (160ms) <Sound of a bass drum> (8.0kHz) <silence> (160ms) <Sound of a high-hat close> (8.0kHz) <silence> (384ms)
3D	<Sound of a bass drum> (10.6kHz) <silence> (160ms) <Sound of a bass drum>(10.6kHz) <silence> (160ms) <Sound of a high-hat close> (10.6kHz) <silence> (384ms)
3E	<Sound of a bass drum> (12.8kHz) <silence> (160ms) <Sound of a bass drum> (12.8kHz) <silence> (160ms) <Sound of a high-hat close> (12.8kHz) <silence> (384ms)
3F	<Sound of a bass drum> (16.0kHz) <silence> (160ms) <Sound of a bass drum> (16.0kHz) <silence> (160ms) <Sound of a high-hat close> (16.0kHz) <silence> (384ms)

MSM9802-204 Voice Word Address Corresponding List (for general-purpose application)

Address	Voice Word	Size	Playback Time (Seconds)	Voive synthesis Method	fs [kHz]
00	—	—	—	—	—
01	"ただ今、電話に出られません"	4400	2.20	Nonlinear	8.0
02	"後ほどお掛け直し下さい"	3843	1.80	Nonlinear	8.0
03	"ピーという音の後にお話し下さい"	5280	2.64	Nonlinear	8.0
04	<Beep tone> (1.0kHz 1.0s)	1F41	1.00	Nonlinear	8.0
05	<Silence> (20ms)	50	0.02	Nonlinear	4.0
06	<Silence> (200ms)	320	0.20	Nonlinear	4.0
07	<Silence> (500ms)	7D0	0.50	Nonlinear	4.0

MSM9803-300 Phrase Control Table (Address Corresponding List) 1/2

X Address	Voice Word
00	—
01	"ただ今、電話にでられません" (6.4kHz) <Silence> (800ms) "後ほどお掛けなおし下さい" (6.4kHz)
02	"ただ今、電話にでられません" (6.4kHz) <Silence> (800ms) "ピーという音の後に話し下さい" (6.4kHz) <Silence> (800ms) <Beep tone> [1.0kHz : 0.8(s)] (8.0kHz)
03	"ピーという音の後に話し下さい" (6.4kHz) <Silence> (800ms) <Beep tone> [1.0kHz : 0.8(s)] (8.0kHz)
04	"ただ今、電話にでられません" (6.4kHz)
05	"後ほどお掛けなおし下さい" (6.4kHz)
06	"ピーという音の後に話し下さい" (6.4kHz)
07	<Beep tone> [1.0kHz : 0.8(s)] (8.0kHz)
08	"Please use OKI speech LSI" (4.0kHz) (8 times)
09	"Please use OKI speech LSI" (4.0kHz)
0A	"Please use OKI speech LSI" (5.3kHz)
0B	"Please use OKI speech LSI" (6.4kHz)
0C	"Please use OKI speech LSI" (8.0kHz)
0D	"Please use OKI speech LSI" (4.0kHz) "Please use OKI speech LSI" (5.3kHz)
0E	"Please use OKI speech LSI" (6.4kHz) "Please use OKI speech LSI" (8.0kHz)
0F	<Sound of a bell> (8.0kHz)
10	<Sound of a high-hat close> (4.0kHz) <Sound of a high-hat close> (5.3kHz) <Sound of a high-hat close> (6.4kHz) <Sound of a high-hat close> (8.0kHz) <Sound of a high-hat close> (10.6kHz) <Sound of a high-hat close> (12.8kHz) <Sound of a high-hat close> (16.0kHz)
11	<Sound of a high-hat close> (4.0kHz) <Silence> (96ms)
12	<Sound of a high-hat close> (5.3kHz) <Silence> (96ms)
13	<Sound of a high-hat close> (6.4kHz) <Silence> (96ms)
14	<Sound of a high-hat close> (8.0kHz) <Silence> (96ms)
15	<Sound of a high-hat close> (10.6kHz) <Silence> (96ms)
16	<Sound of a high-hat close> (12.8kHz) <Silence> (96ms)
17	<Sound of a high-hat close> (16.0kHz) <Silence> (96ms)
18	<Sound of a snare drum> (8.0kHz) <Silence> (96ms)
19	<Sound of a rim shot> (8.0kHz) <Silence> (96ms)
1A	<Sound of a bass drum> (4.0kHz) <Silence> (96ms)
1B	<Sound of a bass drum> (2 times) (4.0kHz) <Silence> (96ms)
1C	<Sound of a snare drum> (8.0kHz) <Silence> (320ms)
1D	<Sound of a rim shot> (8.0kHz) <Silence> (384ms)
1E	<Sound of a bass drum> (4.0kHz) <Silence> (384ms)
1F	<Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms)
20	<Sound of a snare drum> (8.0kHz) (8 times)
21	<Sound of a rim shot> (8.0kHz) <Silence> (384ms) (4 times)
22	<Sound of a bass drum> (4.0kHz) <Silence> (384ms) <Sound of a snare drum> (8.0kHz) <Silence> (320ms) <Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a snare drum> (8.0kHz) <Silence> (320ms)
23	<Sound of a bass drum> (4.0kHz) <Silence> (384ms) <Sound of a high-hat close> (8.0kHz) <Silence> (384ms) <Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a high-hat close> (8.0kHz) <Silence> (384ms)

MSM9803-300 Phrase Control Table (Address Corresponding List) 2/2

X Address	Voice Word
24	<Sound of a bass drum> (4.0kHz) <Silence> (384ms) <Sound of a bass drum> (4.0kHz) <Silence> (384ms) <Sound of a bass drum> (4.0kHz) <Silence> (384ms) <Sound of a snare drum> (8.0kHz) <Silence> (320ms)
25	<Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a snare drum> (8.0kHz) <Silence> (320ms)
26	<Sound of a bass drum> (4.0kHz) <Silence> (384ms) <Sound of a bass drum> (4.0kHz) <Silence> (384ms) <Sound of a bass drum> (4.0kHz) <Silence> (384ms) <Sound of a high-hat close> (8.0kHz) <Silence> (384ms)
27	<Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a high-hat close> (8.0kHz) <Silence> (384ms)
28	<Sound of a rim shot> (8.0kHz) (8 times)
29	<Sound of a bass drum> (4.0kHz) <Silence> (384ms) <Sound of a high-hat close> (8.0kHz) <Silence> (384ms)
2A	<Sound of a bass drum> (4.0kHz) <Silence> (160ms) <Sound of a high-hat close> (8.0kHz) <Silence> (128ms)
2B	<Sound of a bass drum> (4.0kHz) <Silence> (384ms) <Sound of a snare drum> (8.0kHz) <Silence> (320ms)
2C	<Sound of a bass drum> (4.0kHz) <Silence> (160ms) <Sound of a snare drum> (8.0kHz) <Silence> (64ms)
2D	<Sound of a bass drum> (4.0kHz) <Silence> (384ms) <Sound of a snare drum> (8.0kHz) <Silence> (320ms) <Sound of a bass drum> (4.0kHz) <Silence> (384ms) <Sound of a high-hat close> (8.0kHz) <Silence> (384ms)
2E	<Sound of a bass drum> (4.0kHz) <Silence> (160ms) <Sound of a snare drum> (8.0kHz) <Silence> (64ms) <Sound of a bass drum> (4.0kHz) <Silence> (160ms) <Sound of a high-hat close> (8.0kHz) <Silence> (128ms)
2F	<Sound of a bass drum> (4.0kHz) <Silence> (160ms) <Sound of a snare drum> (8.0kHz) <Silence> (64ms) <Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a high-hat close> (8.0kHz) <Silence> (128ms)
30	<Sound of a bass drum> (4.0kHz) (8 times)
31	<Sound of a snare drum> (8.0kHz) <Silence> (320ms) <Sound of a rim shot> (8.0kHz) <Silence> (384ms)
32	<Sound of a snare drum> (8.0kHz) <Silence> (64ms) <Sound of a rim shot> (8.0kHz) <Silence> (160ms)
33	<Sound of a rim shot> (8.0kHz) <Silence> (384ms) <Sound of a rim shot> (8.0kHz) <Silence> (384ms) <Sound of a rim shot> (8.0kHz) <Silence> (384ms) <Sound of a high-hat close> (8.0kHz) <Silence> (384ms)
34	<Sound of a rim shot> (8.0kHz) <Silence> (160ms) <Sound of a rim shot> (8.0kHz) <Silence> (160ms) <Sound of a rim shot> (8.0kHz) <Silence> (160ms) <Sound of a high-hat close> (8.0kHz) <Silence> (128ms)
35	<Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a rim shot> (8.0kHz) <Silence> (384ms)
36	<Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a snare drum> (8.0kHz) <Silence> (320ms)
37	<Sound of a bass drum> (2 times) (4.0kHz) <Silence> (160ms) <Sound of a high-hat close> (8.0kHz) <Silence> (384ms)
38	<Sound of a bass drum> (2 times) (4.0kHz) (8 times)
39	<Sound of a bass drum> (4.0kHz) <Silence> (160ms) <Sound of a snare drum> (8.0kHz) <Silence> (64ms) <Sound of a high-hat close> (8.0kHz) <Silence> (128ms)
3A	<Sound of a bass drum> (4.0kHz) <Silence> (384ms) <Sound of a snare drum> (8.0kHz) <Silence> (320ms) <Sound of a high-hat close> (8.0kHz) <Silence> (384ms)
3B	<Sound of a snare drum> (8.0kHz) <Silence> (64ms) <Sound of a rim shot> (8.0kHz) <Silence> (160ms) <Sound of a high-hat close> (8.0kHz) <Silence> (128ms)
3C	<Sound of a snare drum> (8.0kHz) <Silence> (320ms) <Sound of a rim shot> (8.0kHz) <Silence> (384ms) <Sound of a high-hat close> (8.0kHz) <Silence> (384ms)
3D	<Sound of a rim shot> (8.0kHz) <Silence> (384ms) <Sound of a high-hat close> (8.0kHz) <Silence> (384ms)
3E	<Sound of a rim shot> (8.0kHz) <Silence> (160ms) <Sound of a high-hat close> (8.0kHz) <Silence> (128ms)
3F	<Sound of a high-hat close> (8.0kHz) <Silence> (384ms)(4 times)

MSM9803-300 Voice Word Address Corresponding List (for general-purpose application)

Y Address	Voice Word	Voive synthesis Method	fs [kHz]
00	—	—	—
01	"ただ今、電話にでられません" (Japanese female voice)	Nonlinear	6.4
02	"後ほどお掛けなおし下さい" (Japanese female voice)	Nonlinear	6.4
03	"ピーという音の後にお話し下さい" (Japanese female voice)	Nonlinear	6.4
04	<Beep tone> [1.0kHz : 0.8(s)]	Straight	8.0
05	"Please use OKI speech LSI" (English female voice)	Nonlinear	4.0
06	"Please use OKI speech LSI" (English female voice)	Nonlinear	5.3
07	"Please use OKI speech LSI" (English female voice)	Nonlinear	6.4
08	"Please use OKI speech LSI" (English female voice)	Nonlinear	8.0
09	<Sound of a bell>	Nonlinear	8.0
0A	<Sound of a high-hat close>	Nonlinear	4.0
0B	<Sound of a high-hat close>	Nonlinear	5.3
0C	<Sound of a high-hat close>	Nonlinear	6.4
0D	<Sound of a high-hat close>	Nonlinear	8.0
0E	<Sound of a high-hat close>	Nonlinear	10.6
0F	<Sound of a high-hat close>	Nonlinear	12.8
10	<Sound of a high-hat close>	Nonlinear	16.0
11	<Sound of a snare drum>	Nonlinear	8.0
12	<Sound of a rim shot>	Nonlinear	8.0
13	<Sound of a bass drum>	Nonlinear	4.0
14	<Sound of a bass drum> (2 times)	Nonlinear	4.0

MSM9831-105 Voice Word Address Corresponding List (for general-purpose application)

Address	Voice Word	fs [kHz]	Playback Time (Seconds)
00	—	—	—
01	<DTMF (1)>	8.0	0.10
02	<DTMF (2)>	8.0	0.10
03	<DTMF (3)>	8.0	0.10
04	<DTMF (4)>	8.0	0.10
05	<DTMF (5)>	8.0	0.10
06	<DTMF (6)>	8.0	0.10
07	<DTMF (7)>	8.0	0.10
08	<DTMF (8)>	8.0	0.10
09	<DTMF (9)>	8.0	0.10
0A	<DTMF (0)>	8.0	0.10
0B	<DTMF (*)>	8.0	0.10
0C	<DTMF (#)>	8.0	0.10
0D	<Beep tone>	8.0	0.10
0E	<Beep tone>	8.0	0.10
0F	<Sound effects A>	6.4	0.37
10	<Sound effects B>	6.4	0.41
11	"いち" (Female voice)	8.0	0.33
12	"に" (Female voice)	8.0	0.18
13	"さん" (Female voice)	5.3	0.41
14	"よん" (Female voice)	5.3	0.29
15	"ご" (Female voice)	5.3	0.15
16	"ろく" (Female voice)	5.3	0.34
17	"なな" (Female voice)	5.3	0.33
18	"はち" (Female voice)	5.3	0.32
19	"きゅう" (Female voice)	5.3	0.28
1A	"ゼロ" (Female voice)	5.3	0.29
1B	"スター" (Female voice)	5.3	0.51
1C	"シャープ" (Female voice)	5.3	0.59
1D	<Imitation sound>	8.0	0.48
1E	<Imitation sound>	8.0	0.35
1F	"Hello" (English female voice)	5.3	0.54

MSM9836-600 Phrase Control Table (Address Corresponding List) 1/4

X Address	Voice Word
00	STOP Code
01	"ただ今、留守にしております。もう一度改めておかけ直し下さい。"
02	"ただ今、留守にしております。恐れ入りますが、後ほどおかけ直し下さい。"
03	"ピーという発信音の後に、お名前、電話番号と、ご用件をどうぞ" + <Silence> (1s) + <Beep tone>
04	"ご用の方は、ピーという発信音の後に、メッセージをどうぞ" + <Silence> (2s) + <Beep tone>
05	" 沖電気の音声LSI使って下さって大好きよ " (4.0kHz) + <Silence> (32mS) + " 沖電気の音声LSI使って下さって大好きよ " (5.3kHz) + <Silence> (64mS) + " 沖電気の音声LSI使って下さって大好きよ " (6.4kHz) + <Silence> (128mS) + " 沖電気の音声LSI使って下さって大好きよ " (8.0kHz) + <Beep tone>
06	" 1月 "
07	" 2月 "
08	" 3月 "
09	" 4月 "
0A	" 5月 "
0B	" 6月 "
0C	" 7月 "
0D	" 8月 "
0E	" 9月 "
0F	" 10月 "
10	" 11月 "
11	" 12月 "
12	<Silence> (32mS)
13	" 1日 "
14	" 2日 "
15	" 3日 "
16	" 4日 "
17	" 5日 "
18	" 6日 "
19	" 7日 "
1A	" 8日 "
1B	" 9日 "
1C	" 10日 "
1D	" 11日 "
1E	" 12日 "
1F	" 13日 "
20	" 14日 "
21	" 15日 "
22	" 16日 "
23	" 17日 "
24	" 18日 "
25	" 19日 "

MSM9836-600 Phrase Control Table (Address Corresponding List) 2/4

X Address	Voice Word
26	" 20日 "
27	" 21日 "
28	" 22日 "
29	" 23日 "
2A	" 24日 "
2B	" 25日 "
2C	" 26日 "
2D	" 27日 "
2E	" 28日 "
2F	" 29日 "
30	" 30日 "
31	" 31日 "
32	<Silence> (64mS)
33	" 午前 "
34	" 午後 "
35	<Silence> (128mS)
36	" 0時 "
37	" 1時 "
38	" 2時 "
39	" 3時 "
3A	" 4時 "
3B	" 5時 "
3C	" 6時 "
3D	" 7時 "
3E	" 8時 "
3F	" 9時 "
40	" 10時 "
41	" 11時 "
42	" 12時 "
43	<Silence> (256mS)
44	" 0分です "
45	" 1分です "
46	" 2分です "
47	" 3分です "
48	" 4分です "
49	" 5分です "
4A	" 6分です "
4B	" 7分です "
4C	" 8分です "
4D	" 9分です "
4E	" 10分です "

MSM9836-600 Phrase Control Table (Address Corresponding List) 3/4

X Address	Voice Word
4F	" 20分です"
50	" 30分です"
51	" 40分です"
52	" 50分です"
53	<Silence> (512mS)
54	" じゅう"
55	" にじゅう"
56	" さんじゅう"
57	" よんじゅう"
58	" ごじゅう"
59	
5A	
5B	
5C	
5D	<Silence> (1024mS)
5E	" 0件です"
5F	" 1件です"
60	" 2件です"
61	" 3件です"
62	" 4件です"
63	" 5件です"
64	" 6件です"
65	" 7件です"
66	" 8件です"
67	" 9件です"
68	" 10件です"
69	" 20件です"
6A	" 30件です"
6B	" 40件です"
6C	" 50件です"
6D	
6E	
6F	
70	
71	<Silence> (2048mS)
72	" 月曜日"
73	" 火曜日"
74	" 水曜日"
75	" 木曜日"
76	" 金曜日"
77	" 土曜日"

MSM9836-600 Phrase Control Table (Address Corresponding List) 4/4

X Address	Voice Word
78	" 日曜日 "
79	<Silence> (4046mS)
7A	" 11月16日土曜日 "
7B	" 午前5時23分です "
7C	" 12月8日日曜日 "
7D	" 59件です "
7E	" 午後8時7分です "
7F	" 午前10時44分です "

MSM9836-600 Voice Word Address Corresponding List (for general-purpose application) 1/3

Y Address	Voice Word	Voice synthesis Method	fs [kHz]
00	[STOP Code]	—	—
01	"ただ今、留守にしております。"	Nonlinear	5.3
02	"恐れ入りますが、後ほど"	Nonlinear	5.3
03	"もう一度改めて"	Nonlinear	5.3
04	"おかけ直し下さい。"	Nonlinear	5.3
05	"ピーという発信音の後に、"	Nonlinear	5.3
06	"お名前、電話番号と、ご用件をどうぞ"	Nonlinear	5.3
07	"ご用の方は、"	Nonlinear	5.3
08	"メッセージをどうぞ"	Nonlinear	5.3
09			
0A	"午前"	Nonlinear	5.3
0B	"午後"	Nonlinear	5.3
0C	"れい" (時)	Nonlinear	5.3
0D	"いち" (時)	Nonlinear	5.3
0E	"に" (分/件)	Nonlinear	5.3
0F	"さん" (時)	Nonlinear	5.3
10	"よ" (時)	Nonlinear	5.3
11	"し" (月)	Nonlinear	5.3
12	"ご" (月/日/時/件)	Nonlinear	5.3
13	"ろく" (月/日/時)	Nonlinear	5.3
14	"なな" (月/日/時)	Nonlinear	5.3
15	"はち" (月/日/時)	Nonlinear	5.3
16	"く" (日)	Nonlinear	5.3
17	"じゅう" (月)	Nonlinear	5.3
18	"じゅういち" (月/時)	Nonlinear	5.3
19	"じゅうに" (月/時)	Nonlinear	5.3
1A	"時"	Nonlinear	5.3
1B	"じゅう"	Nonlinear	5.3
1C	"にじゅう"	Nonlinear	5.3
1D	"さんじゅう"	Nonlinear	5.3
1E	"よんじゅう"	Nonlinear	5.3
1F	"ごじゅう"	Nonlinear	5.3

MSM9836-600 Voice Word Address Corresponding List (for general-purpose application) 2/3

Y Address	Voice Word	Voice synthesis Method	fs [kHz]
20	"月" (1/2/4)	Nonlinear	5.3
21	"さんじゅう" (日)	Nonlinear	5.3
22	"じゅう" (時)	Nonlinear	5.3
23	"く" (時)	Nonlinear	5.3
24			
25	"いっ" (分/件)	Nonlinear	5.3
26	"さん" (月/分/件)	Nonlinear	5.3
27	"よん" (分/件)	Nonlinear	5.3
28	"ご" (分/件)	Nonlinear	5.3
29	"ろっ" (分/件)	Nonlinear	5.3
2A	"なな" (分/件)	Nonlinear	5.3
2B	"はっ" (分/件)	Nonlinear	5.3
2C	"きゅう" (分/件)	Nonlinear	5.3
2D	"じゅっ" (分/件)	Nonlinear	5.3
2E	"にじゅっ" (分/件)	Nonlinear	5.3
2F	"さんじゅっ" (分/件)	Nonlinear	5.3
30	"よんじゅっ" (分/件)	Nonlinear	5.3
31	"ごじゅっ" (分/件)	Nonlinear	5.3
32	"ぜろ" (分)	Nonlinear	5.3
33	"ふん"	Nonlinear	5.3
34	"ぷん"	Nonlinear	5.3
35			
36	"件"	Nonlinear	5.3
37	"です"	Nonlinear	5.3
38			
39	"月" (曜日)	Nonlinear	5.3
3A	"火曜日"	Nonlinear	5.3
3B	"水" (曜日)	Nonlinear	5.3
3C	"木" (曜日)	Nonlinear	5.3
3D	"金" (曜日)	Nonlinear	5.3
3E	"土曜日"	Nonlinear	5.3
3F	"日" (曜日)	Nonlinear	5.3

MSM9836-600 Voice Word Address Corresponding List (for general-purpose application) 3/3

Y Address	Voice Word	Voice synthesis Method	fs [kHz]
40	"曜日"	Nonlinear	5.3
41	"に" (月)	Nonlinear	5.3
42			
43	"ついたち"	Nonlinear	5.3
44	"ふつか"	Nonlinear	5.3
45	"みっか"	Nonlinear	5.3
46	"よっか"	Nonlinear	5.3
47	"いつか"	Nonlinear	5.3
48	"むいか"	Nonlinear	5.3
49	"なのか"	Nonlinear	5.3
4A	"ようか"	Nonlinear	5.3
4B	"このか"	Nonlinear	5.3
4C	"とうか"	Nonlinear	5.3
4D	"はつか"	Nonlinear	5.3
4E	"がつ" (3/5/6/7/8/9/10)	Nonlinear	5.3
4F	"にち"	Nonlinear	5.3
50			
51	<Beep tone> (1.6kHz/0.8s)	Nonlinear	5.3
52	"沖電気の音声LSIを使って下さって大好きよ"	Nonlinear	4.0
53	"沖電気の音声LSIを使って下さって大好きよ"	Nonlinear	5.3
54	"沖電気の音声LSIを使って下さって大好きよ"	Nonlinear	6.4
55	"沖電気の音声LSIを使って下さって大好きよ"	Nonlinear	8.0
56			
57	"く" (月)	Nonlinear	5.3
58	"いちにち"	Nonlinear	5.3
59	"ににち"	Nonlinear	5.3
5A	"いち" (月)	Nonlinear	5.3
5B	"じゅういちにち"	Nonlinear	5.3
5C	"じゅうににち"	Nonlinear	5.3
5D	"に" (時)	Nonlinear	5.3
5E	"がつ" (11/12)	Nonlinear	5.3
5F	"さん" (日)	Nonlinear	5.3

MSM9888 family general-purpose ROM codes

MSM9888L-820 Voice Word Address Corresponding List (for general-purpose application) 1/2

Address	Voice Word	Size	Playback Time (Seconds)	Playback Method	Master Oscillation Frequency [MHz]	fs [kHz]
00	[Prohibition Code]	—	—	—	—	—
01	"ただいま"	A40	0.84	ADPCM	4.800	6.25
02	"電話にできません"	1A31	2.15	ADPCM	4.800	6.25
03	"車を運転しています"	1E7C	2.50	ADPCM	4.800	6.25
04	"ピーッと鳴ったら、お名前とご用件をお話し下さい"	4522	5.67	ADPCM	4.800	6.25
05	"後ほどお掛け直し下さい"	1DA2	2.43	ADPCM	4.800	6.25
06	"少々お待ち下さい"	1753	1.92	ADPCM	4.800	6.25
07	"録音時間は、"	11CD	1.46	ADPCM	4.800	6.25
08	"15"	4E2	0.40	ADPCM	4.800	6.25
09	"20"	5F8	0.49	ADPCM	4.800	6.25
0A	"30"	7BE	0.64	ADPCM	4.800	6.25
0B	"秒です"	809	0.66	ADPCM	4.800	6.25
0C	<Beep tone> (1.6kHz/0.6s/13%)	E88	0.60	PCM	4.800	6.25
0D-40	[Prohibition Code]	—	—	—	—	—
41	"ただいま"	A40	0.84	ADPCM	6.400	6.25
42	"電話にできません"	1A31	2.15	ADPCM	6.400	6.25
43	"車を運転しています"	1E7C	2.50	ADPCM	6.400	6.25
44	"ピーッと鳴ったら お名前とご用件をお話し下さい"	4522	5.67	ADPCM	6.400	6.25
45	"後ほどお掛け直し下さい"	1DA2	2.43	ADPCM	6.400	6.25
46	"少々お待ち下さい"	1753	1.92	ADPCM	6.400	6.25
47	"録音時間は、"	11CD	1.46	ADPCM	6.400	6.25
48	"15"	4E2	0.40	ADPCM	6.400	6.25
49	"20"	5F8	0.49	ADPCM	6.400	6.25
4A	"30"	7BE	0.64	ADPCM	6.400	6.25
4B	"秒です"	809	0.66	ADPCM	6.400	6.25
4C	<Beep tone> (1.6kHz/0.6s/13%)	E88	0.60	PCM	6.400	6.25

MSM9888L-820 Voice Word Address Corresponding List (for general-purpose application) 2/2

Address	Voice Word	Size	Playback Time (Seconds)	Playback Method	Master Oscillation Frequency [MHz]	fs [kHz]
4D-80	[Prohibition Code]	—	—	—	—	—
81	"ただいま"	A40	0.84	ADPCM	3.200	6.25
82	"電話にでられません"	1A31	2.15	ADPCM	3.200	6.25
83	"車を運転しています"	1E7C	2.50	ADPCM	3.200	6.25
84	"ピーッと鳴ったら、お名前とご用件をお話し下さい"	4522	5.67	ADPCM	3.200	6.25
85	"後ほどお掛け直し下さい"	1DA2	2.43	ADPCM	3.200	6.25
86	"少々お待ち下さい"	1753	1.92	ADPCM	3.200	6.25
87	"録音時間は、"	11CD	1.46	ADPCM	3.200	6.25
88	"15"	4E2	0.40	ADPCM	3.200	6.25
89	"20"	5F8	0.49	ADPCM	3.200	6.25
8A	"30"	7BE	0.64	ADPCM	3.200	6.25
8B	"秒です"	809	0.66	ADPCM	3.200	6.25
8C	<Beep tone> (1.6kHz/0.6s/13%)	E88	0.60	PCM	3.200	6.25
8D-C0	[Prohibition Code]	—	—	—	—	—
C1	"ただいま"	A40	0.84	ADPCM	4.000	6.25
C2	"電話にでられません"	1A31	2.15	ADPCM	4.000	6.25
C3	"車を運転しています"	1E7C	2.50	ADPCM	4.000	6.25
C4	"ピーッと鳴ったら お名前とご用件をお話し下さい"	4522	5.67	ADPCM	4.000	6.25
C5	"後ほどお掛け直し下さい"	1DA2	2.43	ADPCM	4.000	6.25
C6	"少々お待ち下さい"	1753	1.92	ADPCM	4.000	6.25
C7	"録音時間は、"	11CD	1.46	ADPCM	4.000	6.25
C8	"15"	4E2	0.40	ADPCM	4.000	6.25
C9	"20"	5F8	0.49	ADPCM	4.000	6.25
CA	"30"	7BE	0.64	ADPCM	4.000	6.25
CB	"秒です"	809	0.66	ADPCM	4.000	6.25
CC	<Beep tone> (1.6kHz/0.6s/13%)	E88	0.60	PCM	4.000	6.25

MSM9888L-819 Voice Word Address Corresponding List (for general-purpose application) 1/2

Address	Voice Word	Size	Playback Time (Seconds)	Playback Method	Master Oscillation Frequency [MHz]	fs [kHz]
00	[Prohibition Code]	—	—	—	—	—
01	"I'm sorry, but I am not available at this time." (+Silence : 0.3sec)	246C	2.99	ADPCM	4.800	6.25
02	"Please leave your name and message at the tone." (+Silence : 1.0sec)	2C17	3.62	ADPCM	4.800	6.25
03	"Please call again later."	11EC	1.47	ADPCM	4.800	6.25
04	"Please hold the line."	104B	1.34	ADPCM	4.800	6.25
05	"The recording time is"	EB9	1.21	ADPCM	4.800	6.25
06	"15 seconds."	F4C	1.26	ADPCM	4.800	6.25
07	"20 seconds."	E2C	1.17	ADPCM	4.800	6.25
08	"30 seconds."	C44	1.01	ADPCM	4.800	6.25
09	"The driver is busy, please try again later."	231C	2.88	ADPCM	4.800	6.25
0A	<Beep tone> (1.6kHz/0.6s/20%)	E88	0.60	PCM	4.800	6.25
0B	<Beep tone> (1.6kHz/0.6s/13%)	E88	0.60	PCM	4.800	6.25
0C-40	[Prohibition Code]	—	—	—	—	—
41	"I'm sorry, but I am not available at this time." (+Silence : 0.3sec)	246C	2.99	ADPCM	6.400	6.25
42	"Please leave your name and message at the tone." (+Silence : 1.0sec)	2C17	3.62	ADPCM	6.400	6.25
43	"Please call again later."	11EC	1.47	ADPCM	6.400	6.25
44	"Please hold the line."	104B	1.34	ADPCM	6.400	6.25
45	"The recording time is"	EB9	1.21	ADPCM	6.400	6.25
46	"15 seconds."	F4C	1.26	ADPCM	6.400	6.25
47	"20 seconds."	E2C	1.17	ADPCM	6.400	6.25
48	"30 seconds."	C44	1.01	ADPCM	6.400	6.25
49	"The driver is busy, please try again later."	231C	2.88	ADPCM	6.400	6.25
4A	<Beep tone> (1.6kHz/0.6s/20%)	E88	0.60	PCM	6.400	6.25
4B	<Beep tone> (1.6kHz/0.6s/13%)	E88	0.60	PCM	6.400	6.25

MSM9888L-819 Voice Word Address Corresponding List (for general-purpose application) 2/2

Address	Voice Word	Size	Playback Time (Seconds)	Playback Method	Master Oscillation Frequency [MHz]	fs [kHz]
4C-80	[Prohibition Code]	—	—	—	—	—
81	"I'm sorry, but I am not available at this time." (+Silence : 0.3sec)	246C	2.99	ADPCM	3.200	6.25
82	"Please leave your name and message at the tone." (+Silence : 1.0sec)	2C17	3.62	ADPCM	3.200	6.25
83	"Please call again later."	11EC	1.47	ADPCM	3.200	6.25
84	"Please hold the line."	104B	1.34	ADPCM	3.200	6.25
85	"The recording time is"	EB9	1.21	ADPCM	3.200	6.25
86	"15 seconds."	F4C	1.26	ADPCM	3.200	6.25
87	"20 seconds."	E2C	1.17	ADPCM	3.200	6.25
88	"30 seconds."	C44	1.01	ADPCM	3.200	6.25
89	"The driver is busy, please try again later."	231C	2.88	ADPCM	3.200	6.25
8A	<Beep tone> (1.6kHz/0.6s/20%)	E88	0.60	PCM	3.200	6.25
8B	<Beep tone> (1.6kHz/0.6s/13%)	E88	0.60	PCM	3.200	6.25
0C-C0	[Prohibition Code]	—	—	—	—	—
C1	"I'm sorry, but I am not available at this time." (+Silence : 0.3sec)	246C	2.99	ADPCM	4.000	6.25
C2	"Please leave your name and message at the tone." (+Silence : 1.0sec)	2C17	3.62	ADPCM	4.000	6.25
C3	"Please call again later."	11EC	1.47	ADPCM	4.000	6.25
C4	"Please hold the line."	104B	1.34	ADPCM	4.000	6.25
C5	"The recording time is"	EB9	1.21	ADPCM	4.000	6.25
C6	"15 seconds."	F4C	1.26	ADPCM	4.000	6.25
C7	"20 seconds."	E2C	1.17	ADPCM	4.000	6.25
C8	"30 seconds."	C44	1.01	ADPCM	4.000	6.25
C9	"The driver is busy, please try again later."	231C	2.88	ADPCM	4.000	6.25
CA	<Beep tone> (1.6kHz/0.6s/20%)	E88	0.60	PCM	4.000	6.25
CB	<Beep tone> (1.6kHz/0.6s/13%)	E88	0.60	PCM	4.000	6.25

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