

STC-MA7

User's Manual

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Yamaha Corporation

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<Revision History>

Ver.	Date	Contents
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<Contents>

1	Overview	4
1.1	Function of the STC-MA7	4
1.2	Recommended Operating Environment	4
1.2.1	CPU / Clock	4
1.2.2	OS	4
1.2.3	Hard Disc Space	4
1.2.4	Memory	4
2	Software	5
2.1	File Configuration	5
2.2	Application Type	5
3	How to operate the Option	6
3.1	Playback Time	6
3.2	Additional Time-gap	6
3.3	Input SMAF File Path	6
3.4	Output SMAF File Path	6
3.5	Log File Output Path	6
3.6	Graphic Chunk Automatic Deletion	7
3.7	Fade-out	7
3.8	Maximum Output Size	7
3.9	Help Display	7
3.10	Version Display	7
4	Restrictions	7
4.1	File Size	7
5	Errors	8
6	Input Example	9

1 *Overview*

STC-MA7 is the application program to adjust the playback time of SMAF/MA-2, SMAF/MA-3, SMAF/MA-5, and SMAF/MA-7. (SMAF: Synthetic music Mobile Application Format)

1.1 **Function of the STC-MA7**

Principal functions are as follows.

- SMAF playback time adjustment function
- SMAF output size adjustment function
- Processing history file output function

1.2 **Recommended Operating Environment**

This application needs the operating environment based on the followings.

1.2.1 **CPU / Clock**

Pentium[®]/Celeron[™] or compatible processor
400MHz or over

1.2.2 **OS**

Microsoft Windows[®]2000 / Microsoft Windows[®]XP

1.2.3 **Hard Disc Space**

40MB or more

1.2.4 **Memory**

64MB or more

2 *Software*

2.1 **File Configuration**

STC-MA7 is composed of the following file.

File Name	Function
STC-MA7.exe	Application itself

2.2 **Application Type**

STC-MA7.exe is a console application without GUI.

3 How to operate the Option

3.1 Playback Time

STC-MA7 {-t <Playback Time>}

Designate the time in millisecond (ms).

When “-t” option is not designated (including the setting of t=0), the processing is performed by considering 5000 ms as the default.

3.2 Additional Time-gap

STC-MA7 {-p <Time-gap>}

Designate the time in millisecond (ms).

When “-p” option is not designated, the processing is performed by considering 5000 ms as the default.

3.3 Input SMAF File Path

STC-MA7 {-i <Input File Path Name>}

The file path in excess of 256 bytes causes an error.

When “-i” option is not designated, the standard input is taken as a default.

3.4 Output SMAF File Path

STC-MA7 {-o <Output File Path Name>}

The file path in excess of 256 bytes causes an error.

When “-o” option is not designated, the standard output is taken as a default.

3.5 Log File Output Path

STC-MA7 {-l <Log File Path Name>}

The following information is output as tab-delimited data to the designated log file.

“Input file name”, “Playback time”, “Additional time-gap”, “Fade-out volume number”, “Output file name”, and “Output file size” (Linefeed)

When an error occurred, the input file name and its error code (see the error code in “5 Errors”) will be displayed.

The file path in excess of 256 bytes causes an error.

When the designated file is already present, these items are output in a form of adding it to the end.

When “-l” option is not designated, the log file is not output.

3.6 Graphic Chunk Automatic Deletion

STC-MA7 {-d}

When designating SMAF including graphic information as an input file without -d option, an error occurs. By designating “-d” option, the processing is performed by ignoring graphic information.

3.7 Fade-out

STC-MA7 {-f <Volume Number>}

Fade-out is performed by turning down the volume within five seconds to the playback end. With SMAF/MA-2, MA-3, MA-5, and MA-7, by the use of channel volume, an event is inserted by dividing it into the number of volume (Default value 12 in case nothing is designated) that was designated per each channel during five seconds. And, all the existing channel volumes in the fade-out period is deleted.

(Note) Fade-out designation is ignored when playback time is less than five seconds.

3.8 Maximum Output Size

STC-MA7 {-m <Maximum Data Size(byte)>:<Adjustment Time(msec)>}

Adjust the playback end time while shortening it by the value of Adjustment Time so that the size comes within the maximum data size. An error occurs when time exceeds the maximum data size, even if the size is no longer able to shorten it by the Adjustment Time.

3.9 Help Display

STC-MA7 {-h}

When this option is designated, help information is displayed.

3.10 Version Display

STC-MA7 {-v}

When this option is designated, version information is displayed.

4 Restrictions

4.1 File Size

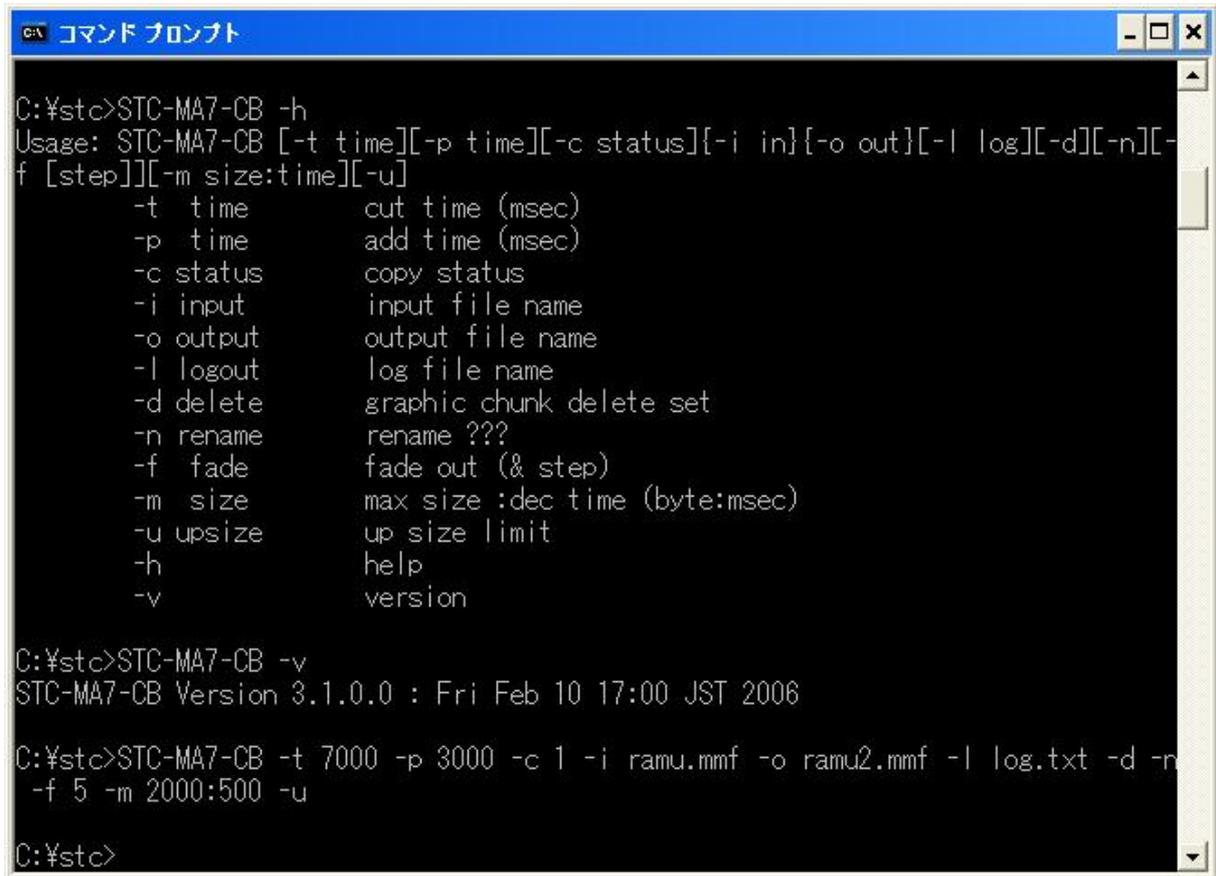
The upper limit of a file size that can be processed is 1024k bytes.

5 Errors

Contents of error codes that are output to the return value and log file are listed here.

Code	Description
-1	Chunk size mismatch.
-2	Unknown chunk exists.
-4	Incorrect tag size.
-5	Incorrect exclusive message size.
-6	Incorrect sequence data.
-8	Incorrect file size.
-9	Incorrect header chunk (MMMD).
-10	Incorrect playback time designation. (less than 0.)
-11	When playback time in excess of the playing time of the inputted SMAF is designated.
-20	Incorrect additional time-gap designation. (less than 0.)
-30	Incorrect input file path size. (more than 256.)
-31	Input file open failed.
-32	The size exceeded the upper limit of input file size. (512k or 1024k)
-40	Incorrect output file path size (more than 256.)
-41	Output file open failed.
-42	The size exceeded the upper limit of output file size (512k or 1024k)
-50	Incorrect log file path size. (more than 256.)
-51	Log file open failed.
-60	Data including graphic information
-70	Memory reservation failed.
-71	File read failed.
-72	File write failed.
-73	Data with output size designated is incorrect.
-74	Output size designation conversion failed.
-75	Incorrect designation of fadeout Step number

6 Input Example



```
C:\¥stc>STC-MA7-CB -h
Usage: STC-MA7-CB [-t time][-p time][-c status][-i in][-o out][-l log][-d][-n][-
f [step]][-m size:time][-u]
    -t time          cut time (msec)
    -p time          add time (msec)
    -c status        copy status
    -i input         input file name
    -o output        output file name
    -l log           log file name
    -d delete        graphic chunk delete set
    -n rename        rename ???
    -f fade          fade out (& step)
    -m size          max size :dec time (byte:msec)
    -u upsize        up size limit
    -h              help
    -v              version

C:\¥stc>STC-MA7-CB -v
STC-MA7-CB Version 3.1.0.0 : Fri Feb 10 17:00 JST 2006

C:\¥stc>STC-MA7-CB -t 7000 -p 3000 -c 1 -i ramu.mmf -o ramu2.mmf -l log.txt -d -n
-f 5 -m 2000:500 -u

C:\¥stc>
```