Developer manual

（Stream2file）

Declaration

www.happytimesoft.com

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Chapter 1 **Build**

1.1 Dependent libraries

The Stream2file depend on the following libraries:

GPAC version 7.8.0

Openssl version 1.1.1g

ZLIB version 1.2.11

Ffmpeg 4.0 (Only required when the AUDIO_CONV compilation macro is enabled)

1.2 Windows Platform

Use VS2015 or later open Stream2File.sln to build

1.3 Linux Platform

cd Stream2File

make

1.4 MAC Platform

cd Stream2File

make -f mac.mk

1.5 Embedded Platform

Modify embed.mk to specify cross-compiler, execute the following command to compile:

make -f embed.mk

Note : Before compiling, you need to cross compile gpac, openssl, zlib libraries

1.6 Compilation parameter

MP4_FORMAT : supports save file with mp4 format

RTMP_STREAM : support save RTMP stream to file

AUDIO_CONV: When saving as MP4 file, convert G711, G722, G726, OPUS audio format to AAC format for saving

1.7 Cutting size

In **r2f_rua.h,** adjust the macro MAX_NUM_RUA to fit your requirements.
The MAX_NUM_RUA means the maximum number of streams supported.

Chapter 2 AVI file repair tool(AviFixer)

2.1 Description

When the program is abnormally shut down or the device suddenly loses power, the written file does not update the necessary information, there will be mosaics when playing videos.

AviFixer tool is used to repair such files.

AviFixer is a command line tool with the following command format:

avifixer options <filename>

-h print this help

-r remove the input file

-o <filename> the fixed file save path

2.2 Compile AviFixer

2.3 Windows Platform

Use VS2015 or later open Stream2File.sln to build

2.4 Linux Platform

cd AviFixer

make

2.5 Embedded Platform

Modify Makefile to specify cross-compiler, execute the following command to compile:

make