SFML

* [Main Page](http://docs.google.com/index.htm)
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* [File List](http://docs.google.com/files.htm)
* [include](http://docs.google.com/dir_f3190241575fd2bd132a392ae6942f4a.htm)
* [SFML](http://docs.google.com/dir_692f376662c82a26cfe4cfa3aceebe24.htm)
* [Audio](http://docs.google.com/dir_3c6cd700807083a0c327f22d879e95e3.htm)

Music.hpp

1

2 //

3 // SFML - Simple and Fast Multimedia Library

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5 //

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22 //

24

25 #ifndef SFML\_MUSIC\_HPP

26 #define SFML\_MUSIC\_HPP

27

29 // Headers

31 #include <SFML/Audio/Export.hpp>

32 #include <SFML/Audio/SoundStream.hpp>

33 #include <SFML/System/Mutex.hpp>

34 #include <SFML/System/Time.hpp>

35 #include <string>

36 #include <vector>

37

38

39 namespace sf

40 {

41 namespace priv

42 {

43  class SoundFile;

44 }

45

46 class InputStream;

47

[52](http://docs.google.com/classsf_1_1Music.htm) class SFML\_AUDIO\_API [Music](http://docs.google.com/classsf_1_1Music.htm) : public [SoundStream](http://docs.google.com/classsf_1_1SoundStream.htm)

53 {

54 public :

55

60  [Music](http://docs.google.com/classsf_1_1Music.htm)();

61

66  ~[Music](http://docs.google.com/classsf_1_1Music.htm)();

67

84  bool openFromFile(const std::string& filename);

85

107  bool openFromMemory(const void\* data, std::size\_t sizeInBytes);

108

129  bool openFromStream([InputStream](http://docs.google.com/classsf_1_1InputStream.htm)& stream);

130

137  [Time](http://docs.google.com/classsf_1_1Time.htm) getDuration() const;

138

139 protected :

140

152  virtual bool onGetData([Chunk](http://docs.google.com/structsf_1_1SoundStream_1_1Chunk.htm)& data);

153

160  virtual void onSeek([Time](http://docs.google.com/classsf_1_1Time.htm) timeOffset);

161

162 private :

163

168  void initialize();

169

171  // Member data

173  priv::SoundFile\* m\_file;

174  [Time](http://docs.google.com/classsf_1_1Time.htm) m\_duration;

175  std::vector<Int16> m\_samples;

176  [Mutex](http://docs.google.com/classsf_1_1Mutex.htm) m\_mutex;

177 };

178

179 } // namespace sf

180

181

182 #endif // SFML\_MUSIC\_HPP

183

184

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