



Application Note
AN1003-02, 2013-12-26
iOS project compile



Notice

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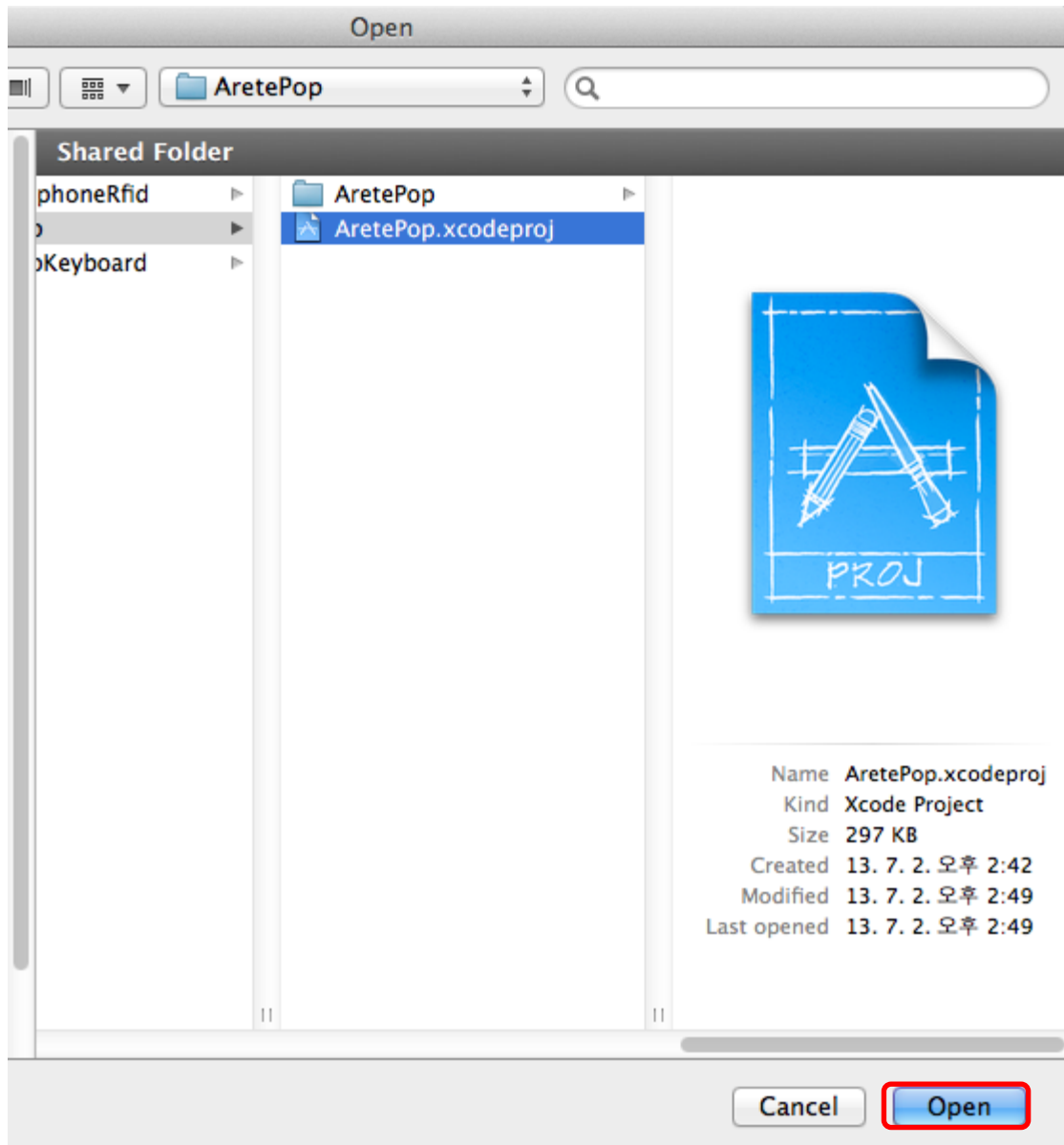
Revision History

Version	Date	Changes
00	2013-07-23	Initial released
02	2013-12-26	Address changed Revision history added

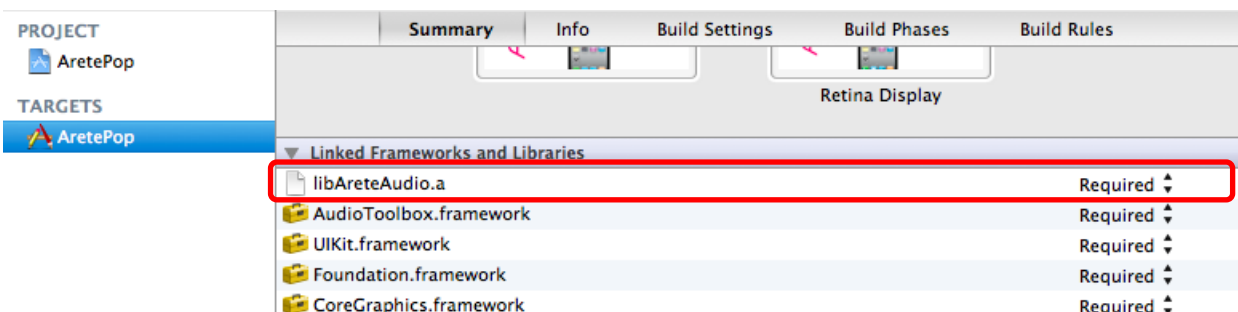
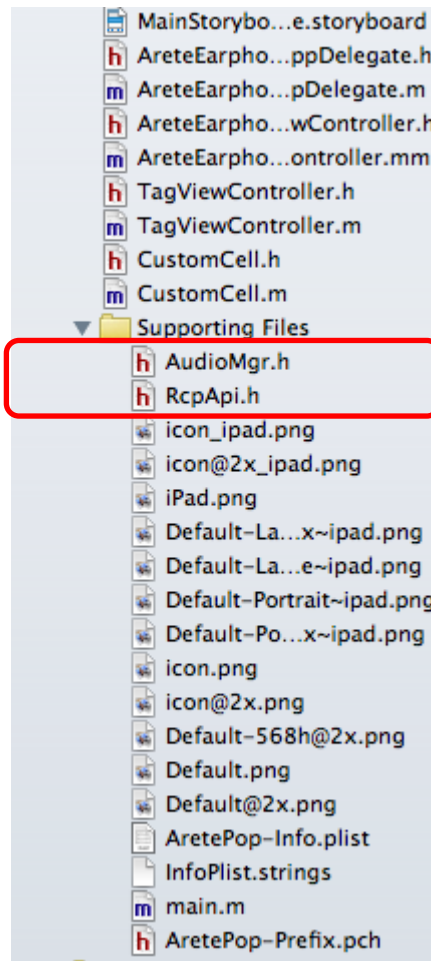
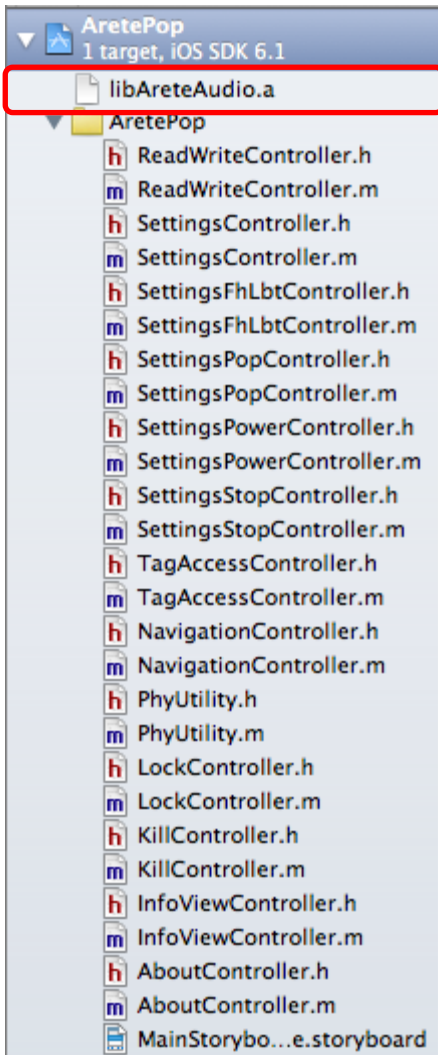
- Check your Xcode version. Version 4.6.1 was tested.
- Click Open Other button.



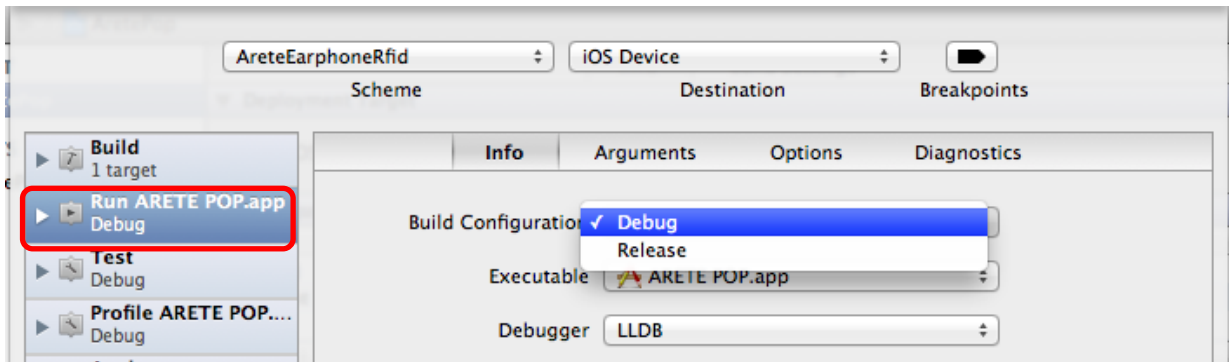
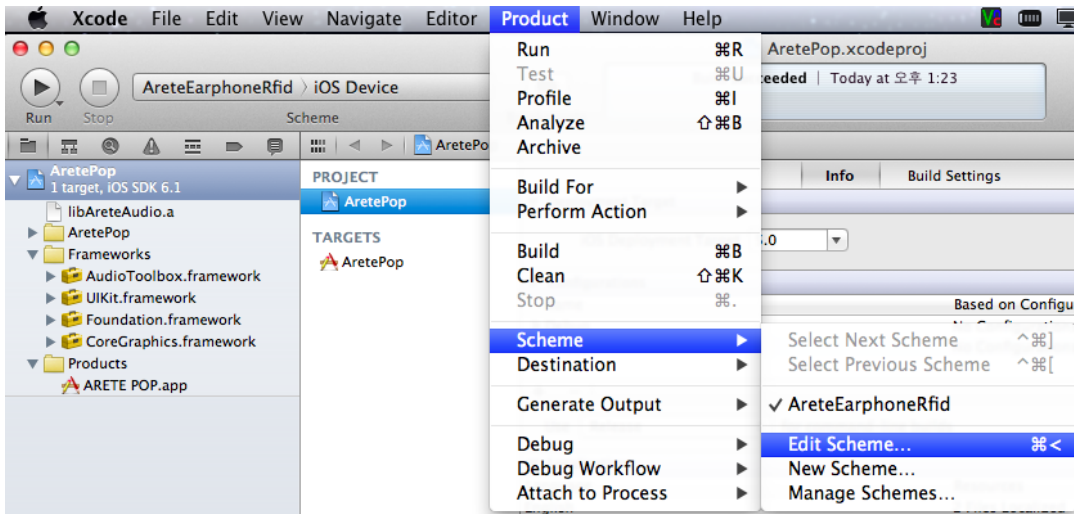
Select Xcode project and click open button.



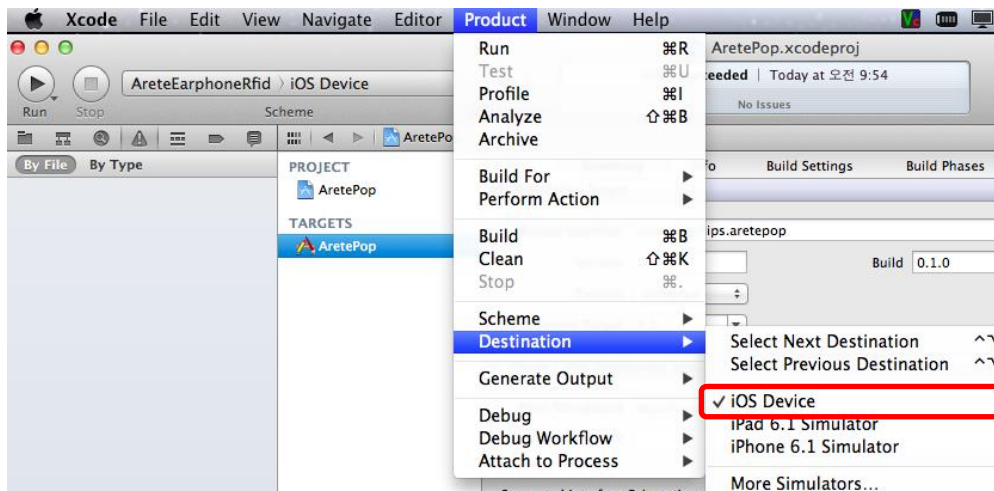
- Make sure loading project is done properly.
- Check Static library file **libAreteAudio.a**, header files **AudioMgr.h** and **RcpApi.h**.
- Check **Linked Frameworks and Libraries** at targets summary.



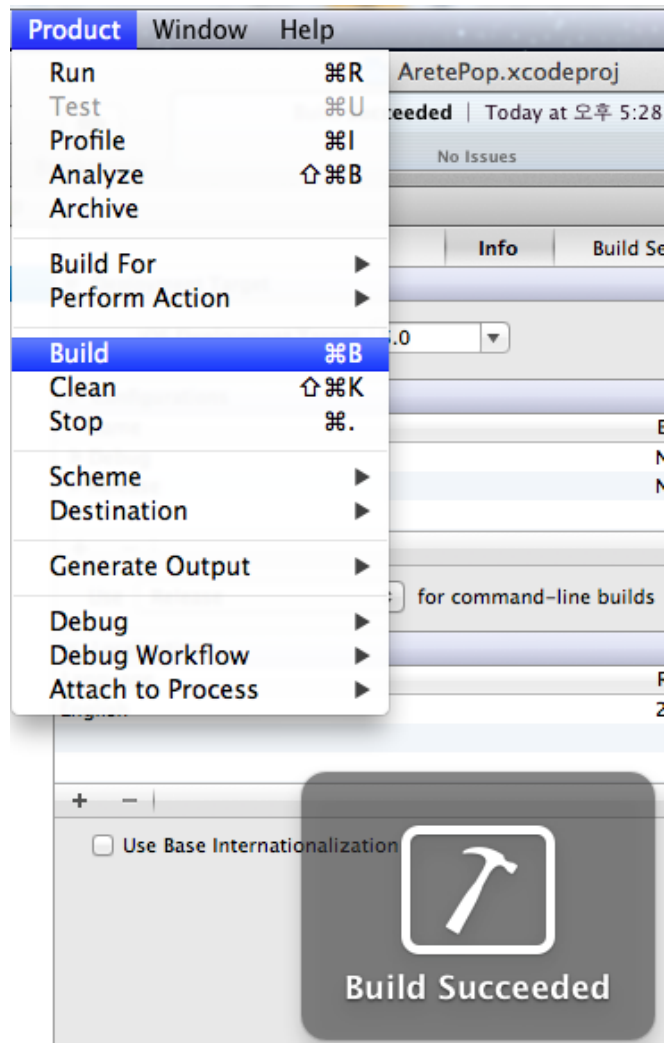
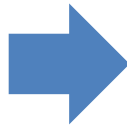
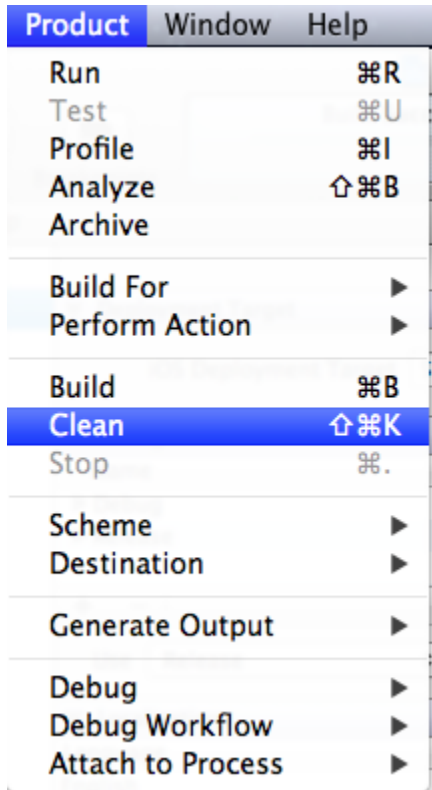
Edit Scheme and select debug.



Select destination as iOS Device. Simulation is not possible.




Clean and build project .



Tip: Apple Mach-O Linker Error

- **libAreteAudio.a** uses C++ library. To compile C++ library, referencing file extension should be changed from *.m to *.mm.
- If you have no *.mm file, modify file extension from *.m to *.mm where *RcpApi.h* is referenced.

 NxpDemo
9 issues

Apple Mach-O Linker Error
__cxa_allocate_exception", referen...

Apple Mach-O Linker Error
__cxa_throw", referenced from:
__cxa_allocate_exception", referenced from:

Apple Mach-O Linker Error
__cxa_begin_catch", referenced from:

Apple Mach-O Linker Error
__cxa_end_catch", referenced from:

Apple Mach-O Linker Error
__cxa_free_exception", referenced...

Apple Mach-O Linker Error
"std::terminate()", referenced from:

Apple Mach-O Linker Error
Linker command failed with exit cod...

```
SetupRemoteIO(OpaqueAudioComponentInstance*&, AURenderCallbackStruct,
CAStreamBasicDescription&) in libAreteAudio.a(aurio_helper.o)
"__cxa_begin_catch", referenced from:
  proplistener(void*, unsigned long, unsigned long, void const*) in libAreteAudio.a(AudioMgr.o)
-[AudioMgr init] in libAreteAudio.a(AudioMgr.o)
  SetupRemoteIO(OpaqueAudioComponentInstance*&, AURenderCallbackStruct,
CAStreamBasicDescription&) in libAreteAudio.a(aurio_helper.o)
"vtable for __cxxabiv1::__class_type_info", referenced from:
  typeidinfo for CAXException in libAreteAudio.a(AudioMgr.o)
NOTE: a missing vtable usually means the first non-inline virtual member function has no
definition.
"__gxx_personality_sj0", referenced from:
  -[RcpApi init] in libAreteAudio.a(RcpApi.o)
  -[RcpApi plugStatusChanged:] in libAreteAudio.a(RcpApi.o)
  -[RcpApi receive:] in libAreteAudio.a(RcpApi.o)
  -[RcpApi open] in libAreteAudio.a(RcpApi.o)
  -[RcpApi isOpened] in libAreteAudio.a(RcpApi.o)
  -[RcpApi close] in libAreteAudio.a(RcpApi.o)
  -[RcpApi startReadTags:mtime:repeatCycle:] in libAreteAudio.a(RcpApi.o)
  ...
"__cxa_end_catch", referenced from:
  proplistener(void*, unsigned long, unsigned long, void const*) in libAreteAudio.a(AudioMgr.o)
-[AudioMgr init] in libAreteAudio.a(AudioMgr.o)
  SetupRemoteIO(OpaqueAudioComponentInstance*&, AURenderCallbackStruct,
CAStreamBasicDescription&) in libAreteAudio.a(aurio_helper.o)
"__cxa_free_exception", referenced from:
  proplistener(void*, unsigned long, unsigned long, void const*) in libAreteAudio.a(AudioMgr.o)
-[AudioMgr init] in libAreteAudio.a(AudioMgr.o)
  SetupRemoteIO(OpaqueAudioComponentInstance*&, AURenderCallbackStruct,
CAStreamBasicDescription&) in libAreteAudio.a(aurio_helper.o)
"std::terminate()", referenced from:
  proplistener(void*, unsigned long, unsigned long, void const*) in libAreteAudio.a(AudioMgr.o)
-[AudioMgr init] in libAreteAudio.a(AudioMgr.o)
  SetupRemoteIO(OpaqueAudioComponentInstance*&, AURenderCallbackStruct,
CAStreamBasicDescription&) in libAreteAudio.a(aurio_helper.o)
ld: symbol(s) not found for architecture armv7
clang: error: linker command failed with exit code 1 (use -v to see invocation)

"__cxa_allocate_exception", referenced from:
Proplistener(void*, unsigned long, unsigned long, void const*) in libAreteAudio.a(AudioMgr.o)
-[AudioMgr init] in libAreteAudio.a(AudioMgr.o)
SetupRemoteIO(OpaqueAudioComponentInstance*&, AURenderCallbackStruct, CAStreamBasicDescription&) in libAreteAudio... more
"__cxa_throw", referenced from:
```

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