

Creating static lib from window cmd for ESP32-S3

Build C or C++ file

Create SeedKey lib for product Pass thru Manufacture

```
C:\Windows\System32\cmd.exe
C:\wsbackup\Embedded\ESP32-S3\ESP32_S3_ECUSim\ExtLib\ESP23_S3_Seedkey>C:\Users\Anupam\AppData\Local\Arduino15\packages\esp32\tools\esp-x32-
-c ESP23S3Seedkey.cpp -o ESP23S3Seedkey.o
C:\wsbackup\Embedded\ESP32-S3\ESP32_S3_ECUSim\ExtLib\ESP23_S3_Seedkey>C:\Users\Anupam\AppData\Local\Arduino15\packages\esp32\tools\esp-x32-
-c ESP23S3Seedkey.cpp -o ESP23S3Seedkey.o
C:\wsbackup\Embedded\ESP32-S3\ESP32_S3_ECUSim\ExtLib\ESP23_S3_Seedkey>C:\Users\Anupam\AppData\Local\Arduino15\packages\esp32\tools\esp-x32-
-s libESP23S3Seedkey.a ESP23S3Seedkey.o
```

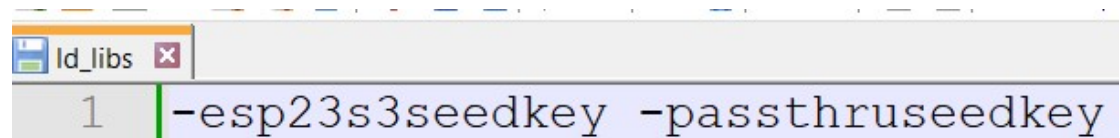
```
C:\Users\UserName\AppData\Local\Arduino15\packages\esp32\tools\esp-
x32\2411\bin\xtensa-esp32s3-elf-g++ -c -mlongcalls ESP23S3Seedkey.cpp -
o ESP23S3Seedkey.o
```

Create lib file.

```
C:\Users\UserName\AppData\Local\Arduino15\packages\esp32\tools\esp-
x32\2411\bin\xtensa-esp32s3-elf-ar rcs libesp23s3seedkey.a
ESP23S3Seedkey.o
```

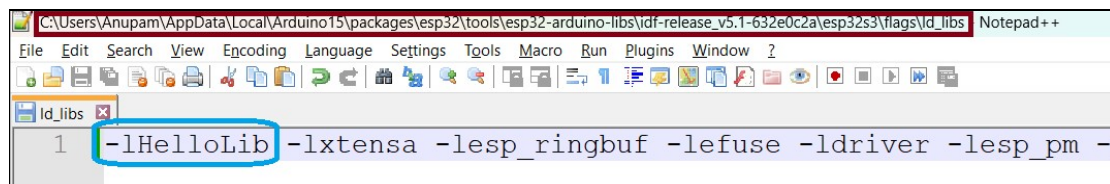
Using External static lib with Ardunio IDE (ESP32-S3):

1. Open `ld_libs` file in
"C:\Users\XXY\AppData\Local\Arduino15\packages\esp32\tools\esp32-arduino-libs\idf-release_v5.1-632e0c2a\esp32s3\flags"



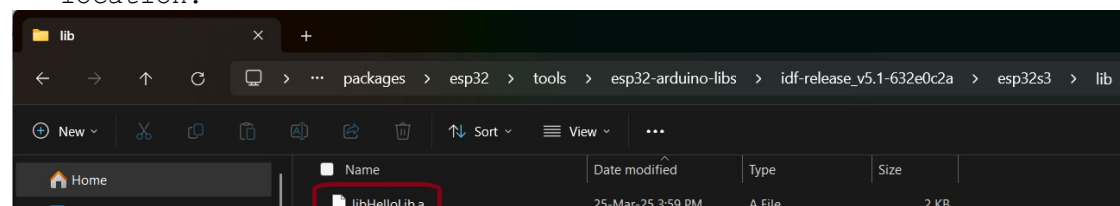
```
1 -esp23s3seedkey -passthru seedkey
```

2. Add your static lib file name in file (Example: Hellolib)



```
1 -lHelloLib -lxtensa -lesp_ringbuf -lefuse -ldriver -lesp_pm -
```

3. Copy custom build external lib file in
"C:\Users\XYZ\AppData\Local\Arduino15\packages\esp32\tools\esp32-arduino-libs\idf-release_v5.1-632e0c2a\esp32s3\lib" location.



lib

packages > esp32 > tools > esp32-arduino-libs > idf-release_v5.1-632e0c2a > esp32s3 > lib

Name	Date modified	Type	Size
libHelloLib.a	25-Mar-25 3:59 PM	A File	2 KB