



## Question:

How to build a user library for the target RTPC



## Answer:

Use the feature "Build User Library" of the LABCAR-RTPC to generate the file.  
This feature is part of the RTPC webinterface:

1.) Go to

<http://192.168.40.14/cgi-bin/userlib>



[Main Page](#) >> [User Library](#)

### Build User Library



2.) Browse to your source code files (.c, .h, .zip, .tgz) and upload them to the RTPC

**Hint:** if a specific make file is available (or contained in a .zip or .tgz file) it is used to generate the library.

3.) Use the Convert functions (if needed) and press Convert

**Convert Files:**

Converting .c Files into Linux Format

Converting .h Files into Linux Format

Renaming .h Files into lower Case Names

4.) CCOPT\_ADD add compiler options (if needed)

5.) Define a library name (e.g. MyLib)

**Build User Library:**

CCOPT\_ADD

Library Name

Hint: the name of the library/archive file will start with lib.. and ends with extension .a, e.g. libMyLib.a

6.) Press Build

Object Code (libcode.o) is generated and added to the archive file (libMyLib.a)

**User Library Files**

```
total 16
-rw-r--r-- 1 user  0 Feb  7 16:30 CCOPT_ADD
-rw-r--r-- 1 user 1474 Feb  7 16:30 libMyLib.a
-rw-r--r-- 1 user  43 Feb  7 16:30 libcode.c
-rw-r--r-- 1 user 1320 Feb  7 16:30 libcode.o
-rw-r--r-- 1 user  5 Feb  7 16:30 libname
```

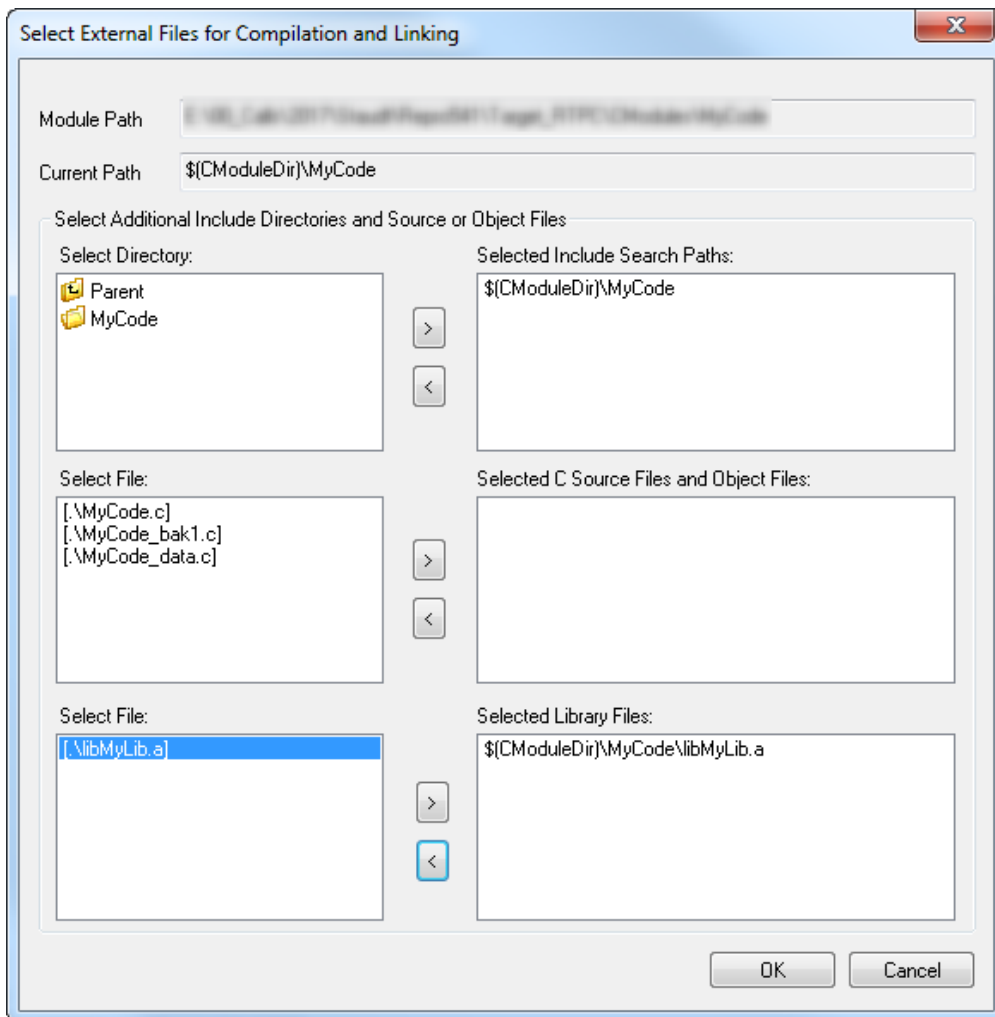
7.) Download Library Files

**Download Library Files:**

[libMyLib.a](#)

8.) Save the library files to

- global: to RTPC: /home/user/lib
- local: within the LCO Project:\Target\_RTPC\user\lib
- local: within a C-Module and add a reference Link to External Files



### Additional information:

Rebuild your LABCAR-OPERATOR project to use the generated user library file.



### In case of further questions:

You will find further FAQ here: [www.etas.com/en/faq](http://www.etas.com/en/faq)

Please feel free to contact our Support Center, if you have further questions.

Here you can find all information: <http://www.etas.com/en/hotlines.php>

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