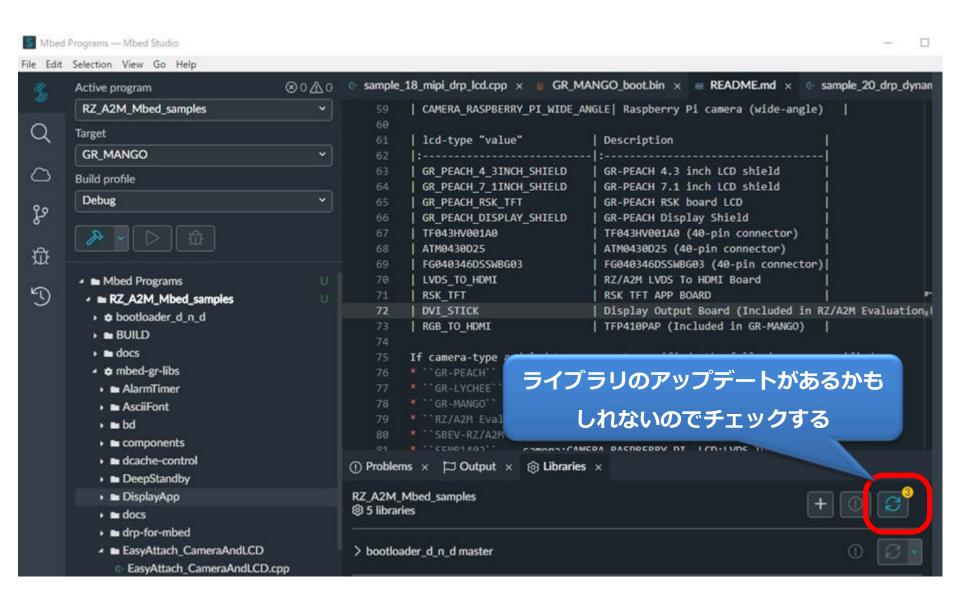
GR-MANGO サンプルNo.18を動かす(Mbed Studio編) 2020.2.21



Mbed Studio を起動し、GR-MANGOプロジェクトを開く



No.18のサンプルを使う場合の設定

requirements.txt

- sample_programs
 - G- sample_00_led_rtc_analogin.cpp
 - sample_01_flash_write.cpp
 - sample 02 ssif loop back.cpp
 - G- sample_03_spdif_loop_back.cpp
 - sample_04_ssif_wav_playback.cpp
 - sample 05 spdif wav playback.cpp
 - sample_06_lcd_touch_jcu.cpp
 - sample_07_usb_func_serial.cpp
 - sample 08 usb func mouse.cpp
 - sample 09 usb func keyboard.cpp
 - G- sample_10_usb_func_midi.cpp
 - G sample_11_usb_func_audio_1.cpp
 - G- sample_12_usb_func_audio_2.cpp
 - G- sample_13_ether_http.cpp
 - G- sample_14_ether_https.cpp
 - G- sample_15_ceu_lcd_pwm.cpp
 - G- sample_16_usb_func_msd_1.cpp
 - G- sample_17_usb_func_msd_2.cpp
 - G- sample_18_mipi_drp_lcd.cpp
 - sample_19_mipi_drp_diplayapp.cpp
 - sample_20_drp_dynamic_loading.cpp
 - c sample_select.h
 - gitignore

sample_programsフォルダに 21種類のプログラムがある

サンプルプログラムの説明は下記URL参照

https://github.com/d-kato/RZ_A2M_Mbed_samples

No.18のサンプルを使う MIPI, DRP and LCD sample

sample_select.h を開く

sample_select.h を編集

```
* ELECTRONICS CORPORATION NOR ANY OF ITS AFFILIATED COMPANIES SHALL BE LIABLE
     * FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR
     * ANY REASON RELATED TO THIS SOFTWARE, EVEN IF RENESAS OR ITS AFFILIATES HAVE
     * BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
     * Renesas reserves the right, without notice, to make changes to this software
     * and to discontinue the availability of this software. By using this software
17
     * you agree to the additional terms and conditions found by accessing the
     * following link:
     * http://www.renesas.com/disclaimer
                                                   下記の行を編集
     * Copyright (C) 2019 Renesas
                                  #define SAMPLE_PROGRAM_NO 18
     #ifndef SAMPLE SELECT H
     #define SAMPLE SELECT H
     // You can try each sample program by changing the following macro.
     #define SAMPLE PROGRAM NO
28
     // No. Program file
                                          Description
     // 0 : sample 00 led rtc analogin
                                          DigitalOut, InterruptIn, RTC, Timer and
     // 1 : sample 01 flash write
                                          FlashAPI sample
     // 2 : sample 02 ssif loop back
                                          SSIF loop back sample
     // 3 : sample 03 spdif loop back
                                          SPDIF loop back sample
     // 4 : sample 04 ssif wav playback
                                           SSIF wav playback sample (use USB memor
```

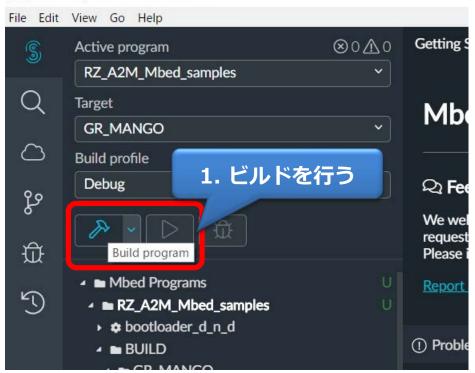
```
sample 20 drp dynamic loadir
                  Mmbed_app.jsonファイルの編集も必要(次ページで説明)
c sample_select.h
                  jsonとは、JavaScript Object Notationの略で、XMLなど
gitignore
.mbed
                      と同様のテキストベースのデータフォーマットです
```

mbed_app.json

mbed_app.jsonを編集 編集する "config": { G sample 18 mipi drp lcd.cpp "camera":{ G- sample_19_mipi_drp_diplayapp.cpp "help": "0:disable 1:enable", G sample 20 drp dynamic loading.cpp "value": "1" "CAMERA RASPBERRY PI" C sample so クリックで開く "camera-type":{ gitignore "help": "Please secasyAttach_CameraAndLCD/README.md". "value": "CAMERA RASPBERRY PI" mbed app.json }, c mbedtls_entropy_config.h "lcd":{ 11 README.md "help": "0:disable 1:enable", 12 "value": "1" 13 "RGB TO HDMI" 14 "lcd-type":{ 15 "help": "Please se LasyAttach CameraAndLCD/README.md", 16 m docs "value": "RGB TO HDMI" 17 mbed-gr-libs 18 ▶ ■ AlarmTimer 19 AsciiFont target_overrides": { 20 カメラ、LCD接続タイプの説明は SC signal (only GR-PEACH) | MT9V111 | PI | Raspberry Pi camera EasyAttach_CameraAndLCDフォルダ PI WIDE ANGLE | Raspberry Pi camera (wide-angle) | のREADME参照 (でも、なぜか秋月LCD Description にカメラ表示できない) SHIELD GR-PEACH カメラ、LCD接続できる 4 SHIELD GR-PEACH GR PEACH DISPLAY SHIELD GR-PEACH I 機器が記述されている aAndLCD.cpp EasyAtta TF043HV001A0 | TF043HV001A0 (40-pin © EasyAtta CameraAndLCD.h ATM0430D25 | ATM0430D25 (40-pin conr FG040346DSSWBG03 | FG040346DSSWBG03 (40-p) README.md LVDS TO HDMI | RZ/A2M LVDS To HDMI Boar EasyPlayback RGB TO HDMI | TFP410PAP (Included in GR-MANGO)

GR-MANGOプロジェクトのビルド (ビルドは5~10分ぐらいかかるかも)

Mbed Programs — Mbed Studio

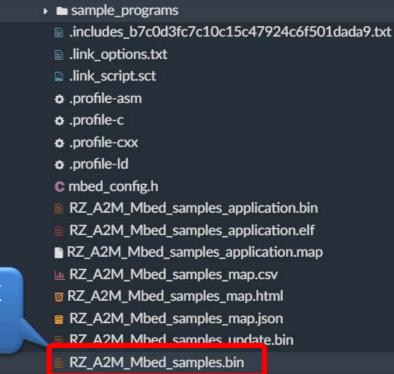


2. ウィンドウの右下に 進行状況が表示される

Background Tasks

■ Build RZ_A2M_Mbed_samples 2%

Build RZ_A2M_Mbed_samples



3. sample_programフォルダに下記できればOK RZ_A2M_Mbed_sample.bin

GR-MANGOヘプログラムを書き込み (DAP Linkを使用)



GR-MANGOヘラズパイカメラを接続してモニターへ表示

