

## STM32 Blue Pill Drivers

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# Chapter 1

## Testing applications

These testing applications to test most of the drivers' functionalities and make sure they do what they intend to do.

### 1.1 ## Applications list

Below is the applications list and will follow this template of describing each application.

Name: <Application name>  
Description: <Application description>  
Activision Macro: <Application macro name>

Testing application's directory has the following structure:

- APPS\_main.h
- APPS\_main.c
- <Application name>/
  - <Application name>\_main.h
  - <Application name>\_main.c



## Chapter 2

# File Index

### 2.1 File List

Here is a list of all files with brief descriptions:

<a href="#">main.c</a> . . . . .	8
<a href="#">APPS_main.c</a>	
This file contains the implementation of the main function that is responsible for running the applications . . . . .	5
<a href="#">APPS_main.h</a>	
This file contains the prototypes of the main function that is responsible for running the applications . . . . .	6





## Chapter 3

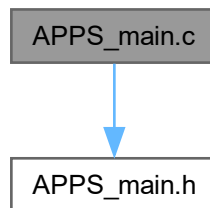
# File Documentation

### 3.1 APPS\_main.c File Reference

This file contains the implementation of the main function that is responsible for running the applications.

```
#include "APPS_main.h"
```

Include dependency graph for APPS\_main.c:



### Functions

- void [vAPPS\\_main](#) (void)

*Change this to the macro of the desired application to run.*

#### 3.1.1 Detailed Description

This file contains the implementation of the main function that is responsible for running the applications.

Author

Mohamed Alaa

Version

1.0.0

Date

2023-06-16

### 3.1.2 Function Documentation

#### 3.1.2.1 vAPPS\_main()

```
void vAPPS_main (
    void )
```

Change this to the macro of the desired application to run.

```
17 {
18     for (;;)
19     {
20         /* Do nothing */
21     }
22 }
```

Referenced by [main\(\)](#).

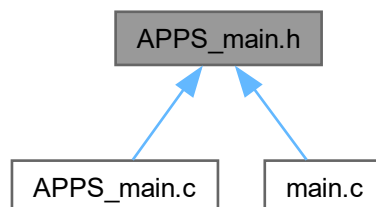
Here is the caller graph for this function:



### 3.2 APPS\_main.h File Reference

This file contains the prototypes of the main function that is responsible for running the applications.

This graph shows which files directly or indirectly include this file:



### Functions

- void [vAPPS\\_main](#) (void)

*Change this to the macro of the desired application to run.*

### 3.2.1 Detailed Description

This file contains the prototypes of the main function that is responsible for running the applications.

**Author**

Mohamed Alaa

**Version**

1.0.0

**Date**

2023-06-16

### 3.2.2 Function Documentation

#### 3.2.2.1 vAPPS\_main()

```
void vAPPS_main (
    void )
```

Change this to the macro of the desired application to run.

```
17 {
18     for (;;)
19     {
20         /* Do nothing */
21     }
22 }
```

Referenced by [main\(\)](#).

Here is the caller graph for this function:

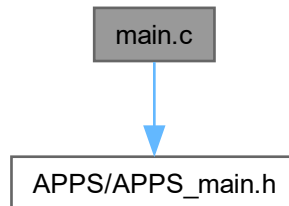


### 3.3 README.md File Reference

### 3.4 main.c File Reference

```
#include "APPS/APPS_main.h"
```

Include dependency graph for main.c:



#### Functions

- int [main](#) (void)

#### 3.4.1 Function Documentation

##### 3.4.1.1 main()

```
int main (
    void )
5 {
6     vAPPS_main();
7
8     for (;;)
9     {
10    }
11 }
```

References [vAPPS\\_main\(\)](#).

Here is the call graph for this function:



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