

## STM32 Blue Pill Drivers

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<b>1 STM32 Blue Pill Drivers</b>	<b>1</b>
<b>2 Testing applications</b>	<b>3</b>
2.1 ## Applications list . . . . .	3
<b>3 File Index</b>	<b>5</b>
3.1 File List . . . . .	5
<b>4 File Documentation</b>	<b>7</b>
4.1 APPS_main.c File Reference . . . . .	7
4.1.1 Detailed Description . . . . .	7
4.1.2 Function Documentation . . . . .	8
4.1.2.1 vAPPS_main() . . . . .	8
4.2 APPS_main.h File Reference . . . . .	8
4.2.1 Detailed Description . . . . .	9
4.2.2 Function Documentation . . . . .	9
4.2.2.1 vAPPS_main() . . . . .	9
4.3 Projects/STM32-Blue-pill/README.md File Reference . . . . .	10
4.4 README.md File Reference . . . . .	10
4.5 main.c File Reference . . . . .	10
4.5.1 Function Documentation . . . . .	10
4.5.1.1 main() . . . . .	10
<b>Index</b>	<b>11</b>



## Chapter 1

# STM32 Blue Pill Drivers

Drivers that could be used to interface and interact with STM32F103C8T6 Microcontroller

View the PDF documentation [here](#)



## Chapter 2

# Testing applications

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

### 2.1 ## 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 3

## File Index

### 3.1 File List

Here is a list of all files with brief descriptions:

<a href="#">main.c</a> . . . . .	10
<a href="#">APPS_main.c</a>	
This file contains the implementation of the main function that is responsible for running the applications . . . . .	7
<a href="#">APPS_main.h</a>	
This file contains the prototypes of the main function that is responsible for running the applications . . . . .	8



# Chapter 4

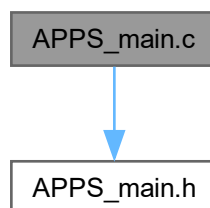
## File Documentation

### 4.1 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.*

#### 4.1.1 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

## 4.1.2 Function Documentation

### 4.1.2.1 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\(\)](#).

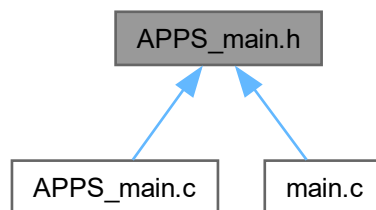
Here is the caller graph for this function:



## 4.2 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.*

### 4.2.1 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

### 4.2.2 Function Documentation

#### 4.2.2.1 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:



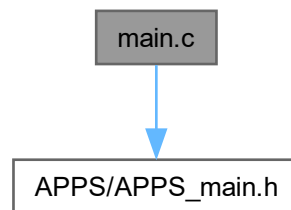
### 4.3 Projects/STM32-Blue-pill/README.md File Reference

### 4.4 README.md File Reference

### 4.5 main.c File Reference

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

Include dependency graph for main.c:



#### Functions

- int [main](#) (void)

#### 4.5.1 Function Documentation

##### 4.5.1.1 main()

```
int main (
    void )
4 {
5     vAPPS_main();
6
7     for (;;)
8     {
9     }
10 }
```

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

Here is the call graph for this function:



# Index

APPS\_main.c, [7](#)  
    vAPPS\_main, [8](#)  
APPS\_main.h, [8](#)  
    vAPPS\_main, [9](#)

main  
    main.c, [10](#)  
main.c, [10](#)  
    main, [10](#)

Projects/STM32-Blue-pill/README.md, [10](#)

README.md, [10](#)

vAPPS\_main  
    APPS\_main.c, [8](#)  
    APPS\_main.h, [9](#)