STM32 Blue Pill Drivers

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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:

Chapter 4

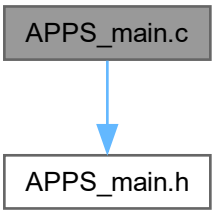
File Documentation

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()

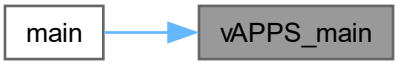
```
void vAPPS_main (
             void  )
```

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

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

Referenced by main().

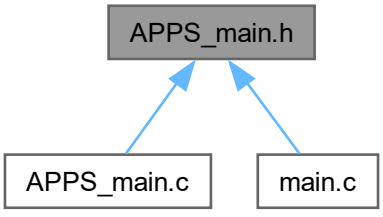
Here is the caller graph for this function:



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.

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4.2.2 Function Documentation

4.2.2.1 vAPPS_main()

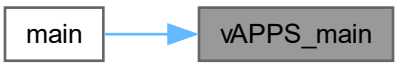
```
void vAPPS_main (
              void  )
```

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:



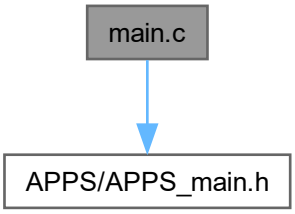
4.3 Projects/STM32-Blue-pill/README.md File Reference

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)

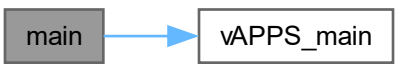
4.5.1 Function Documentation

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:



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