

libfxe Reference Manual

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1 libfxe Data Structure Index

1.1 libfxe Data Structures

Here are the data structures with brief descriptions:

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2 libfxe File Index

2.1 libfxe File List

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3 libfxe Page Index

3.1 libfxe Related Pages

Here is a list of all related documentation pages:

Bug List

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4 libfxe Data Structure Documentation

4.1 bin Struct Reference

Structure with BIN informations.

```
#include <bin.h>
```

Data Fields

- char [name](#) [33]
bin name

4.1.1 Detailed Description

Warning:

You'd better use type BIN_INFO

The documentation for this struct was generated from the following files:

- [bin.h](#)
- binstart.c

4.2 fxe Struct Reference

Structure with FXE informations.

```
#include <fxe.h>
```

Data Fields

- char [name](#) [33]
fxe name
- char [author](#) [33]
fxe author
- char [reserved](#) [17]
fxe reserved information

- unsigned char [sicon](#) [1024]
fxe "static" icon
- unsigned char * [icon](#)
fxe icon
- char [nframe](#)
Number of icon frame.
- unsigned char * [icon](#)

4.2.1 Detailed Description

Warning:

You'd better use type FXE_INFO

The documentation for this struct was generated from the following files:

- [fxe.h](#)
- [fxestart.c](#)

4.3 gxb Struct Reference

Structure with GXB informations.

```
#include <gxb.h>
```

Data Fields

- char [name](#) [33]
gxb/axf name

4.3.1 Detailed Description

Warning:

You'd better use type GXB_INFO

The documentation for this struct was generated from the following files:

- [gxb.h](#)
- [gxbstart.c](#)

4.4 gxf Struct Reference

Structure with GXF informations.

```
#include <gxf.h>
```

Data Fields

- char [name](#) [33]
gxf name
- long [icon_width](#)
gxf icon width
- long [icon_height](#)
gxf icon height
- char [icon_trans](#)
gxf icon transparency color
- unsigned char * [icon](#)
gxf icon
- unsigned char * **icon**

4.4.1 Detailed Description

Warning:

You'd better use type GXF_INFO

The documentation for this struct was generated from the following files:

- [gxf.h](#)
- gxfstart.c

5 libfxe File Documentation

5.1 bin.h File Reference

Allow use of GP32 firmware.

Data Structures

- struct [bin](#)
Structure with BIN informations.

Typedefs

- typedef [bin](#) [BIN_INFO](#)
Structure with BIN informations.

Functions

- int [CheckBin](#) (char *name)
- [BIN_INFO](#) * [GetBinInfo](#) (char *chemin, [BIN_INFO](#) *info)
- void [LaunchBin](#) (char *chemin)

5.1.1 Detailed Description

Author:

DOUALOT Nicolas (mail:slubman.dnndd@laposte.net , web;<http://www.slubman.linux-fan.com>)

Let's you get informations and launch GP32 firmwares in your program.

Warning:

file extension MUST be .BIN

5.1.2 Typedef Documentation

5.1.2.1 typedef struct [bin](#) [BIN_INFO](#)

Warning:

You'd better use type [BIN_INFO](#)

5.1.3 Function Documentation

5.1.3.1 int [CheckBin](#) (char * *name*)

Check for the validity of a BIN

Parameters:

chemin path to BIN file.

Returns:

SM_OK: File is a BIN.
other: file is not a BIN.

5.1.3.2 [BIN_INFO](#)* [GetBinInfo](#) (char * *chemin*, [BIN_INFO](#) * *info*)

Get informations of an BIN (firmware)

Parameters:

chemin path to BIN file

Returns:

pointer to a [BIN_INFO](#) struct.

5.1.3.3 void [LaunchBin](#) (char * *chemin*)

Launch BIN

This Function launch a BIN, and normally you shouldn't go after in your code

Parameters:

chemin path to BIN file

5.2 fxe.h File Reference

Allow use of FXE executable.

Data Structures

- struct [fxe](#)
Structure with FXE informations.

Typedefs

- typedef [fxe](#) [FXE_INFO](#)
Structure with FXE informations.

Functions

- int [CheckFxe](#) (char *chemin)
- [FXE_INFO](#) * [GetFxeInfo](#) (char *file, [FXE_INFO](#) *info)
- void [LaunchFxe](#) (char *chemin, char *where)

5.2.1 Detailed Description

Author:

DOUALOT Nicolas (mail:slubman.dnidd@laposte.net , web;<http://www.slubman.linux-fan.com>)

Let's you get informations and launch FXE executable in your prgoram.

Warning:

file extension MUST be .FXE

Bug

Some FXE seems not be launch by this library :(

5.2.2 Typedef Documentation

5.2.2.1 typedef struct [fxe](#) [FXE_INFO](#)

Warning:

You'd better use type [FXE_INFO](#)

5.2.3 Function Documentation

5.2.3.1 int [CheckFxe](#) (char * *chemin*)

Check for the validity of a FXE

Parameters:

chemin path to FXE file.

Returns:

SM_OK: File is a FXE.
other: file is not a FXE.

5.2.3.2 FXE_INFO* GetFxeInfo (char * file, FXE_INFO * info)

Get informations of an FXE

Parameters:

chemin path to FXE file

Returns:

pointer to a FXE_INFO struct.

5.2.3.3 void LaunchFxe (char * chemin, char * where)

Launch FXEs

This Function launch a FXEs, and normally you shouldn't go after in your code

Parameters:

chemin path to FXE file

where path when GpAppPathGet is called in launched program

5.3 gxb.h File Reference

Allow use of GXB/AXF executable.

Data Structures

- struct [gxb](#)
Structure with GXB informations.

Typedefs

- typedef [gxb](#) [GXB_INFO](#)
Structure with GXB informations.

Functions

- int [CheckGxb](#) (char *name)
- [GXB_INFO](#) * [GetGxbInfo](#) (char *chemin, [GXB_INFO](#) *info)
- void [LaunchGxb](#) (char *chemin, char *where)
- void [LaunchGxbInt](#) (unsigned char *gxb, unsigned long length, char *where)

5.3.1 Detailed Description

Author:

DOUALOT Nicolas (mail:slubman.dnidd@laposte.net , web;<http://www.slubman.linux-fan.com>)

Let's you get informations and launch GXB/AXF executable in your prgoram.

Warning:

file extension MUST be .GXB or .AXF

5.3.2 Typedef Documentation

5.3.2.1 typedef struct [gxb](#) [GXB_INFO](#)

Warning:

You'd better use type GXB_INFO

5.3.3 Function Documentation

5.3.3.1 int CheckGxb (char * *name*)

Check for the validity of a GXB/AXF

Parameters:

chemin path to GXB/AXF file.

Returns:

SM_OK: File is a GXB/AXF.

other: file is not a GXB/AXF.

5.3.3.2 [GXB_INFO](#)* GetGxbInfo (char * *chemin*, [GXB_INFO](#) * *info*)

Get informations of an GXB/AXF

Parameters:

chemin path to GXB/AXF file

Returns:

pointer to a GXB_INFO struct.

5.3.3.3 void LaunchGxb (char * *chemin*, char * *where*)

Launch GXB/AXF

This Function launch a GXB/AXF, and normally you shouldn't go after in your code

Parameters:

chemin path to FXE file

where path when GpAppPathGet is called in launched program

5.3.3.4 void LaunchGxbInt (unsigned char * *gxb*, unsigned long *length*, char * *where*)

Launch GXB/AXF

This Function launch a GXB/AXF, and normally you shouldn't go after in your code

Parameters:

- gxb* An array with the executable.
- length* Array length.
- where* path when GpAppPathGet is called in launched program

5.4 gxf.h File Reference

Allow use of GXF executable.

Data Structures

- struct [gxf](#)
Structure with GXF informations.

Typedefs

- typedef [gxf GXF_INFO](#)
Structure with GXF informations.

Functions

- int [CheckGxf](#) (char *chemin)
- [GXF_INFO](#) * [GetGxfInfo](#) (char *chemin, [GXF_INFO](#) *info)
- void [LaunchGxf](#) (char *chemin, char *where)

5.4.1 Detailed Description

Author:

DOUALOT Nicolas (mail:slubman.dndd@laposte.net , web;<http://www.slubman.linux-fan.com>)

Let's you get informations and launch GXF executable in your prgoram.

Warning:

file extension MUST be .GXF

5.4.2 Typedef Documentation

5.4.2.1 typedef struct [gxf GXF_INFO](#)

Warning:

You'd better use type GXF_INFO

5.4.3 Function Documentation

5.4.3.1 int CheckGxf (char * *chemin*)

Check for the validity of a GXF

Parameters:

chemin path to GXF file.

Returns:

SM_OK: File is a GXF.

other: file is not a GXF.

5.4.3.2 GXF_INFO* GetGxfInfo (char * *chemin*, GXF_INFO * *info*)

Get informations of an GXF

Parameters:

chemin path to GXF file

Returns:

pointer to a GXF_INFO struct.

5.4.3.3 void LaunchGxf (char * *chemin*, char * *where*)

Launch GXF

This Function launch a GXF, and normally you shouldn't go after in your code

Parameters:

chemin path to GXF file

where path when GpAppPathGet is called in launched program

5.5 launch.h File Reference

Allow use of GP32 executable.

Functions

- void [LaunchFile](#) (char *where)

5.5.1 Detailed Description

Author:

DOUALOT Nicolas

Warning:

file extension MUST be .AXF,.BIN,.GXB,.GXF or .FXE

5.5.2 Function Documentation

5.5.2.1 void LaunchFile (char * where)

Launch any recognized GP32 executable

This Function launch any recognized GP32 executable by checking the extension, and validity.

Parameters:

chemin path to file

See also:

[LaunchBin](#) [LaunchGxb](#) [LaunchGxf](#) [LaunchFxe](#)

5.6 libfxe.h File Reference

simply imclude all headers of the library

```
#include "bin.h"
#include "fxe.h"
#include "gxb.h"
#include "gxf.h"
#include "launch.h"
```

Defines

- #define **launch_gxb_from_mem** GpAppExecute

Enumerations

- enum **PROGRAM_TYPE** {
 FXE = 1, **GXB**, **GXE**, **GXF**,
 BIN }

5.6.1 Detailed Description

Author:

DOUALOT Nicolas (mail:slubman.dnidd@laposte.net , web;<http://www.slubman.linux-fan.com>)

6 libfxe Page Documentation

6.1 Bug List

File [fxe.h](#) Some FXE seems not be launch by this library :(

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