

libmirisdr
0.0.20130608

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Contents

1	Data Structure Index	1
1.1	Data Structures	1
2	Data Structure Documentation	3
2.1	iffreqs_ Struct Reference	3
2.2	mirisdr_dev Struct Reference	3
2.3	mirisdr_dongle Struct Reference	4
2.4	mirisdr_tuner Struct Reference	4
2.5	r0_modes_ Struct Reference	4
2.6	state Struct Reference	4
	Index	6

Chapter 1

Data Structure Index

1.1 Data Structures

Here are the data structures with brief descriptions:

iffreqs_	3
mirisdr_dev	3
mirisdr_dongle	4
mirisdr_tuner	4
r0_modes_	4
state	4

Chapter 2

Data Structure Documentation

2.1 `iffreqs_` Struct Reference

Data Fields

- `uint32_t xtalfreq`
- `uint32_t fref1`
- `uint32_t fif1`

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

- `include/tuner_msi001.h`

2.2 `mirisdr_dev` Struct Reference

Data Fields

- `libusb_context * ctx`
- `struct libusb_device_handle * devh`
- `uint32_t xfer_buf_num`
- `uint32_t xfer_iso_pack`
- `uint32_t xfer_buf_len`
- `struct libusb_transfer ** xfer`
- `unsigned char ** xfer_buf`
- `mirisdr_read_async_cb_t cb`
- `void * cb_ctx`
- `enum mirisdr_async_status async_status`
- `uint32_t rate`
- `uint32_t adc_clock`
- `mirisdr_tuner_t * tuner`
- `uint32_t freq`
- `int gain`
- `int headerflag`
- `uint32_t addr`

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

- `src/libmirisdr.c`

2.3 mirisdr_dongle Struct Reference

Data Fields

- uint16_t **vid**
- uint16_t **pid**
- const char * **name**

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

- src/libmirisdr.c

2.4 mirisdr_tuner Struct Reference

Data Fields

- int(* **init**)(void *)
- int(* **exit**)(void *)
- int(* **set_freq**)(void *, uint32_t freq)
- int(* **set_bw**)(void *, int bw)
- int(* **set_gain**)(void *, int gain)
- int(* **set_gain_mode**)(void *, int manual)

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

- src/libmirisdr.c

2.5 r0_modes_ Struct Reference

Data Fields

- char * **bits**
- unsigned char **value**
- char * **name**
- unsigned char **lodiv**

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

- include/tuner_msi001.h

2.6 state Struct Reference

Data Fields

- enum mode **m**
- enum xtal **x**
- double **freq_hz**
- uint32_t **minus_bbgain**
- enum am_mixgainred **am_mixgainred**
- uint32_t **mixl**

- uint32_t **lnagr**
- uint32_t **reg** [6]

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

- include/tuner_msi001.h

Index

iffreqs_, 3

mirisdr_dev, 3

mirisdr_dongle, 4

mirisdr_tuner, 4

r0_modes_, 4

state, 4