## How to set driver debug log level

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1 Introduction.

```
1.1 The driver's debug log level is as follows, enum {

__DRV_NONE_ = 0,

__DRV_ALWAYS_ = 1,

__DRV_ERR_ = 2,

__DRV_WARNING_ = 3,

__DRV_INFO_ = 4,

__DRV_DEBUG_ = 5,

__DRV_MAX_ = 6
};
```

- 1.2 The default log level is "\_DRV\_INFO\_".
- 1.3 The default compiling flag is "CONFIG\_RTW\_DEBUG", which is defined in "Makefile".
- 2 How to change debug log level during runtime.
  - 2.1 Use the following command to set different log level.

```
# echo x > /proc/net/rtl8723bs/log_level
```

x: is a number mapping to log level in driver.

For example, if you want to change to log level to "\_DRV\_ERR\_", please execute the command below,

```
# echo 2 > /proc/net/rtk8723bs/log_level
```

3 How to change debug log level during inserting driver module.

```
For example for change log level to _DRV_WARNING_, # insmod 8723bs.ko rtw drv log level=3
```

- 4 How to disable all debug log level during runtime and inserting driver module.
  - 4.1 during runtime, please execute the command below,# echo 0 > /proc/net/rtk8723bs/log level
  - 4.2 during inserting driver module , please execute the command below, # insmod 8723bs.ko rtw\_drv\_log\_level=0

5 How to check current log level during runtime

Use the following command to check log level,

# cat /proc/net/rtl8723bs/log level

```
drv_log_level:4

_DRV_NONE_ = 0

_DRV_ALWAYS_ = 1

_DRV_ERR_ = 2

_DRV_WARNING_ = 3

+_DRV_INFO_ = 4

_DRV_DEBUG_ = 5

_DRV_MAX_ = 6
```

This example shows the current log level is 4 (\_DRV\_INFO\_).

- 6 How to change debug log level during compiling time.
  - 6.1 In Makefile, please look for "CONFIG\_RTW\_LOG\_LEVEL", and then you can modify its value to proper debug log level during compiling time.
- 7 How to disable all debug log during compiling time.
  - 7.1 There are two methods to disable debug log.
    - 7.1.1 Method A: in Makefile, please look for "CONFIG\_RTW\_DEBUG = y", and then change the "y" to "n".
    - 7.1.2 Method B: also in Makefile, please look for "CONFIG\_RTW\_LOG\_LEVEL", and then change the default value to 0
- 8 Notes: please change the term "rtl8723bs" to correct chip's name.