How to set driver debug log level

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.