

# Megawin

# USB DFU

# User Manual

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## Device Firmware Upgrade

### 1 Introduction

DFU (Device Firmware Upgrade) can perform Firmware Upgrade directly through USB Cable, without reconnecting Device, by taking some simple steps. Please refer to the following detail steps.

### 2 Use DFU ( Fig-1 )

**Step1:** This ID is registered at USB-IF by Vender. ( “ 0x0E6A “ is registered under Megawin

Technology Co., Ltd. at USB-IF. Any third party needs the written approval from Megawin in order to use this VID.)( **\*\*note** )

**Step2:** This is a product ID that define by Vender. ( **\*\*note** )

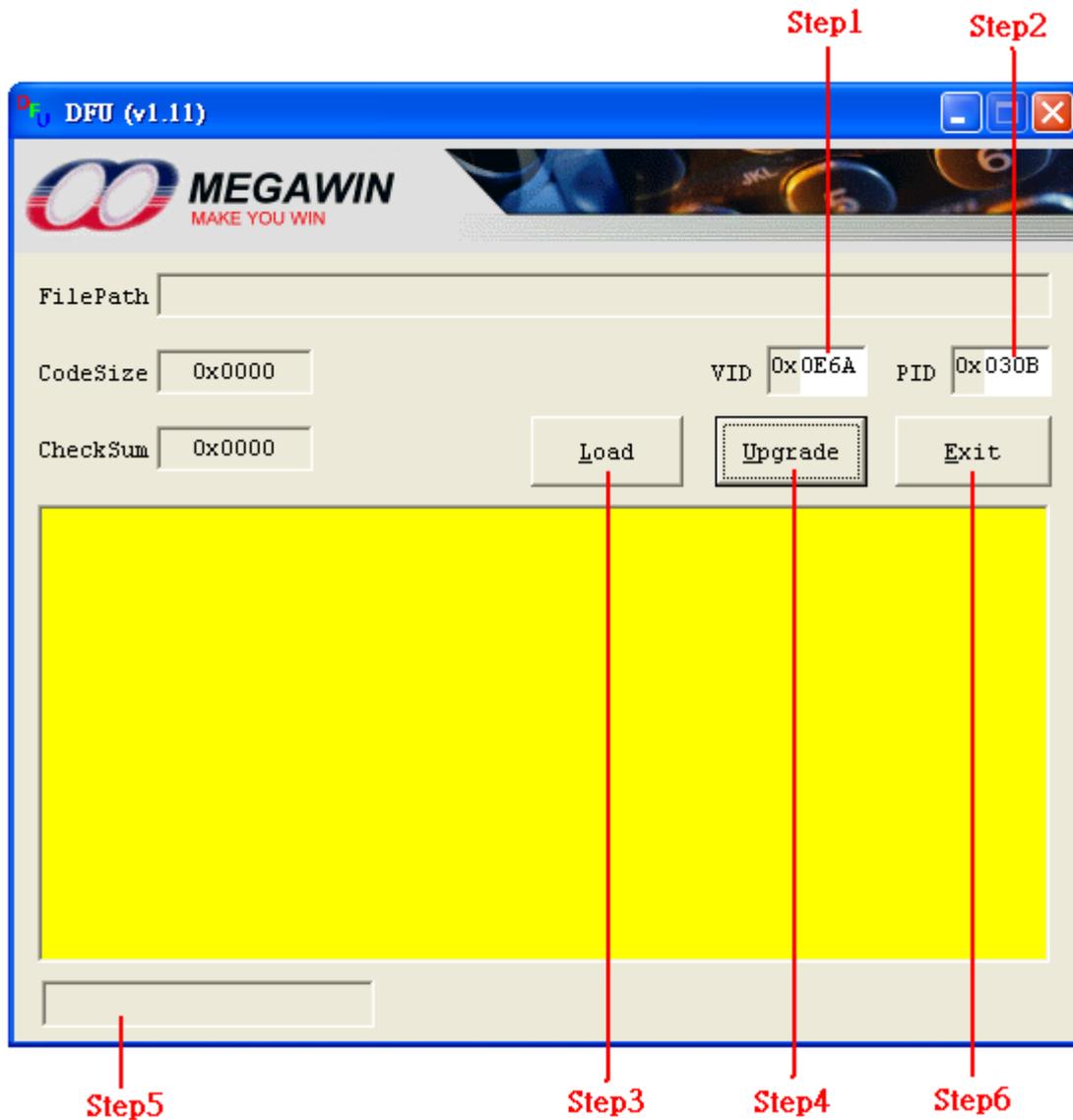
**Step3:** “Load“ file which you want to upgrade.

**Step4:** “Upgrade“ to process upgrade procedure.

**Step5:** Upgrade information will be show in here.

**Step6:** “Exit“ will exit the DFU Application.

**\*\*note:** If the user has manual switched the Device to DFU section ( as stated at following Q2 ), this step could be omitted.



**Fig-1**

### 3 FAQ

**Q1 :** Why appears an error message, "DFU\_Reset\_To\_ISP\_Fail !", after pushing the "Upgrade" bottom?

**Ans1 :** Two reasons would lead to the situation. One is the different ID of VID and PID within the Device. The other is that while using Library of EasyCOM ( without HID Interface Device ) the user didn't manual switch the Device to DFU Section.

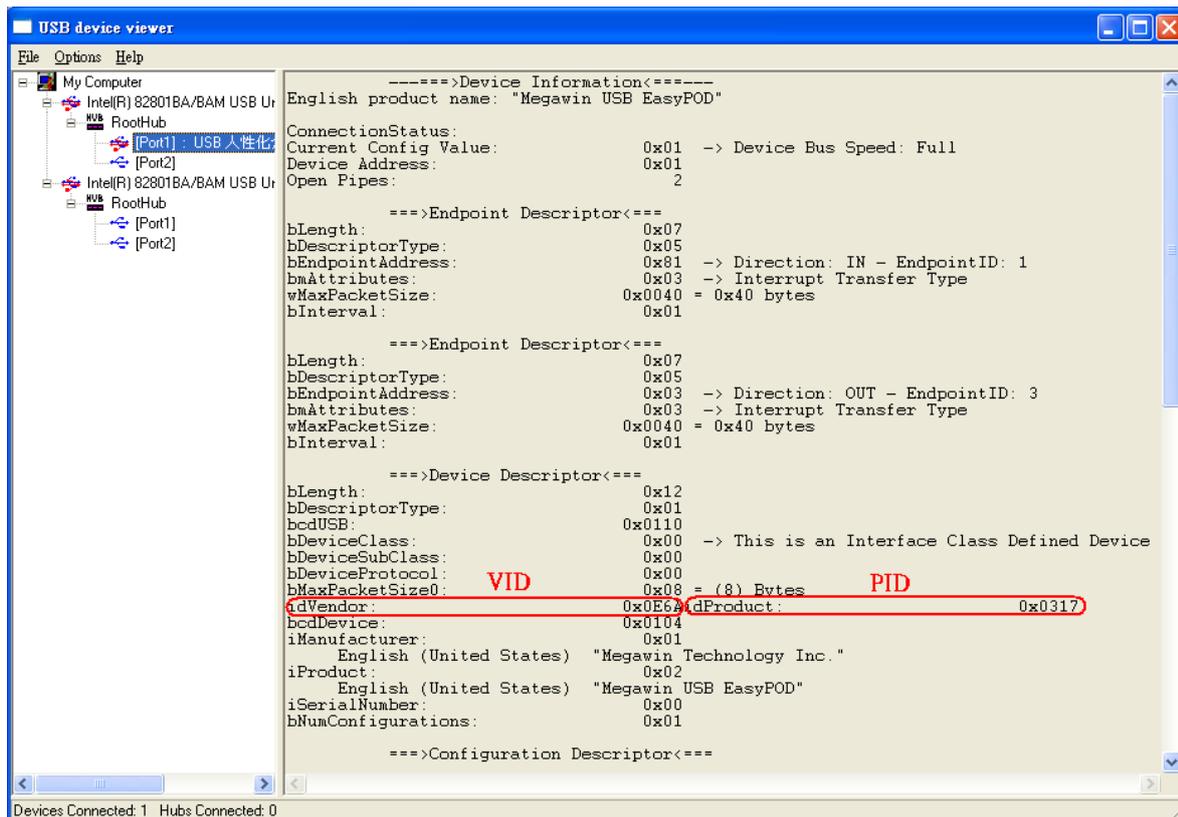
**Q2 :** How to manual switch the Device to DFU Section? Why we need this function?

**Ans2 :** Use 47k resistor to pull low the P4.3 on MG84FL54 or P4.5 on MG84FG516 and Enable RST

( high active ) , then the device will boot from DFU section, This function enables the user to keep another track of performing DFU at the initial stage, where PC side AP is not available to trigger Device boot from DFU section.

**Q3** : How to get the information about current VID and PID within the Device?

**Ans3** : The user may use “ UVCView “ provided by Microsoft. ( **Fig-2** )



**Fig-2**

#### 4. Revision History

| Revision | Description                | Date       |
|----------|----------------------------|------------|
| v1.00    | Initial version            | 2008/06/30 |
| v1.11    | Add the information status | 2008/12/29 |
| v1.20    | Support MG84FG516 device   | 2011/04/01 |
|          |                            |            |