

Fintek GPIO Utility Operation Manual

1. System requirement

1.1 Operation system support

The Fintek GPIO Utility support Windows XP / Windows 7 X32 / Windows 7 X64 OS

1.2 Fintek IC support

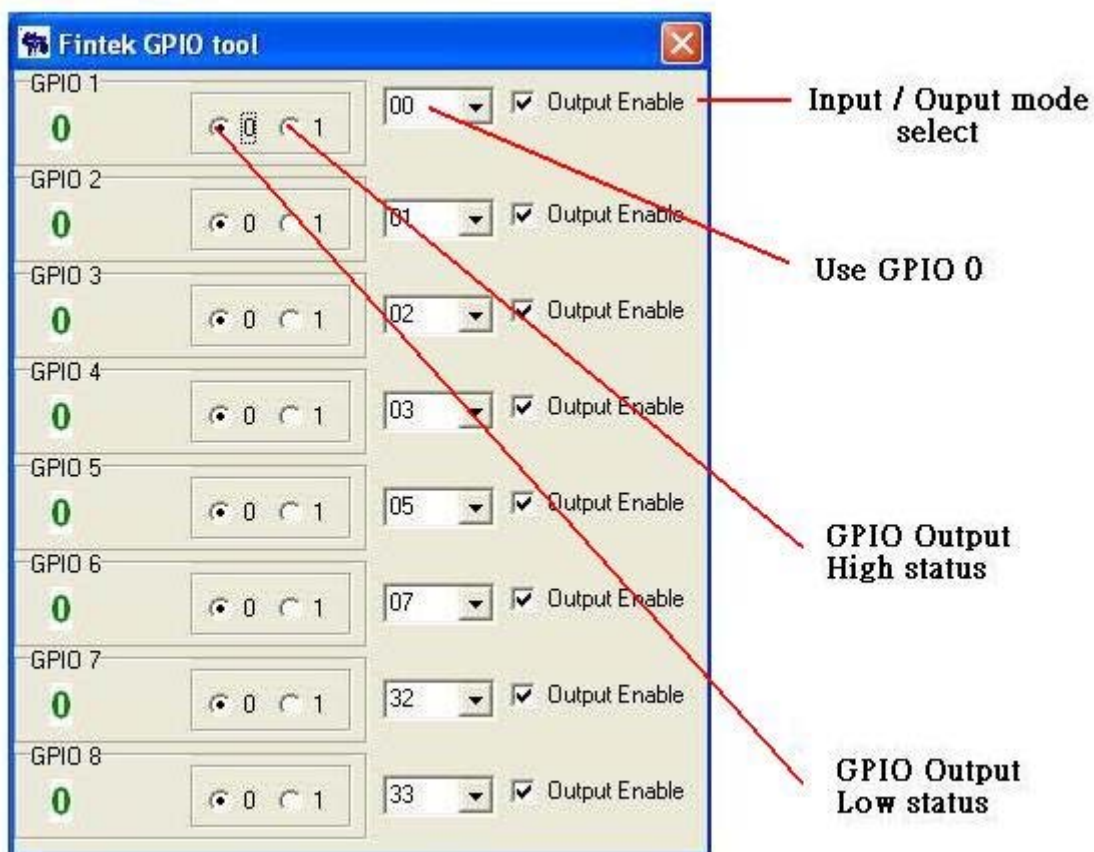
The Fintek GPIO Utility only support Fintek F71869A and F71808A.

1.3 Utility install and execute

The Fintek GPIO utility didn't need any installation process.

Please directly execute FitGpio.exe file as administrator .

2. How to use the Fintek GPIO Utility ?



2.1 Setup the Fintek GPIO tool procedure

1. Figure1 : If you didn't mark "Output Enable" function ,
the GPIO pin will be running on "GPIO Input state" .

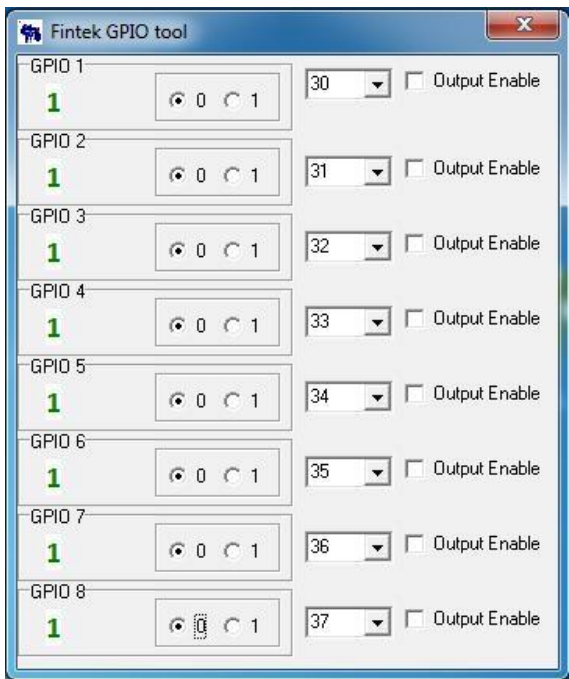


Figure1 : GPIO Input state

2. Figure2 / Figure3: If you mark "Output Enable" function ,
the GPIO pin will be running on "GPIO Output state" .
The figure2 is GPIO Output High state , The figure3 is GPIO Output High state .

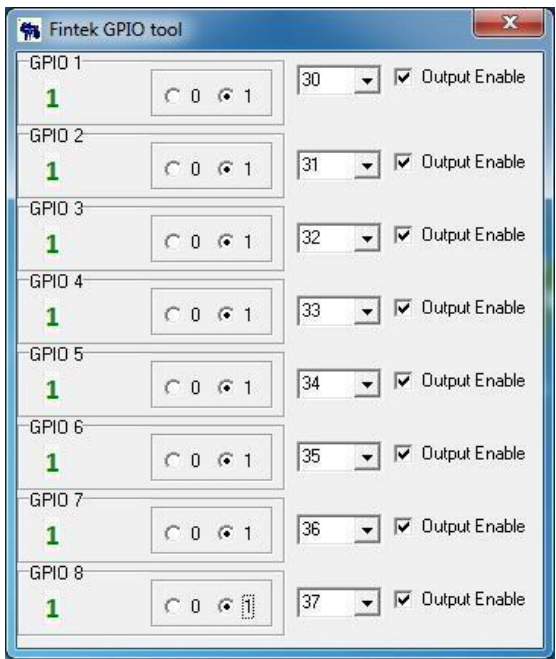


Figure2 : GPIO Output High state

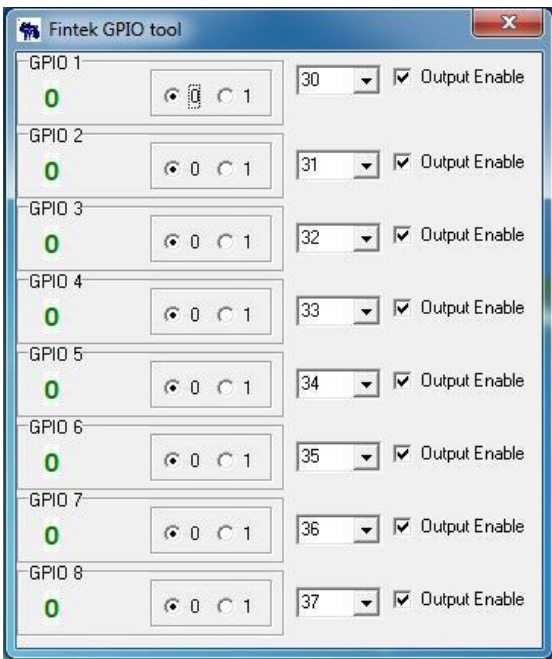
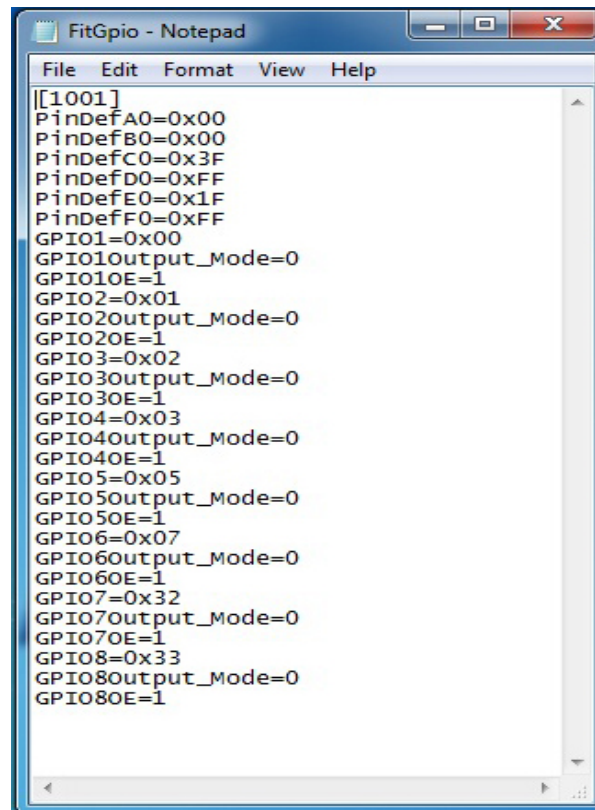


Figure3 : GPIO Output Low state

2.2 INI file settings explanation

2.2.1 F71808A settings



1. Please refer to above picture , the descriptions started from [1001] are the settings for F71808A IO chipset.

2. The PinDefA0 ~ PinDefF0 are initial settings for F71808A.

(Please don't change these settings.)

PinDefA0=0x00

PinDefB0=0x00

PinDefC0=0x3F

PinDefD0=0xFF

PinDefE0=0x1F

PinDefF0=0xFF

3. You can change the following settings in FinGpio.ini file to set your default GPIO pin status.

GPIO1=0x00 → Use GPIO0 controller of IO chipset for GPIO pin1.

(Please don't change this setting)

GPIO1OE=0 → Set GPIO pin1 to "Input" mode.

GPIO1OE=1 → Set GPIO pin1 to "Output" mode

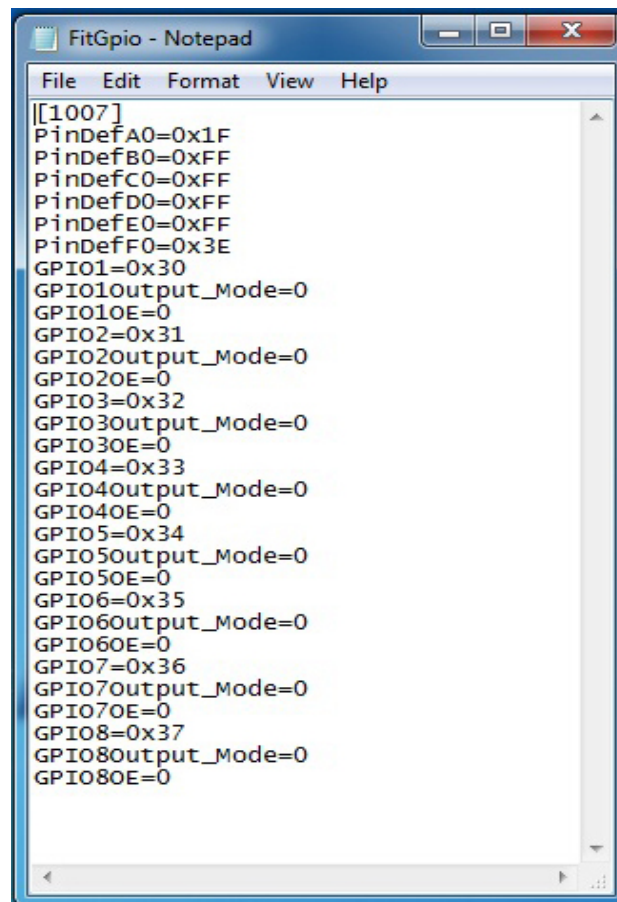
GPIO1Output_Mode=0 → Set GPIO pin1 to "Low" state at "Output" mode.

GPIO1Output_Mode=1 → Set GPIO pin1 to "High" state at "Output" mode.

...

GPIO2=0x01 → Use GPIO1 controller of IO chipset for GPIO pin2. ... and such as this.

2.2.2 F71869A settings



1. Please refer to above picture , the descriptions started from [1007] are the settings for F71869A IO chipset.

2. The PinDefA0 ~ PinDefF0 are initial settings for F71869A .

(Please don' t change these settings.)

PinDefA0=0x1F

PinDefB0=0xFF

PinDefC0=0xFF

PinDefD0=0xFF

PinDefE0=0xFF

PinDefF0=0x3E

3. You can change the following settings in FinGpio.ini file to set your default GPIO pin status.

GPIO1=0x30→Use GPIO30 controller of IO chipset for GPIO pin1.

(Please don' t change this setting)

GPIO1OE=0→Set GPIO pin1 to “Input” mode.

GPIO1OE=1→Set GPIO pin1 to “Output” mode

GPIO1Output_Mode=0 → Set GPIO pin1 to “Low” state at “Ouput” mode.

GPIO1Output_Mode=1 → Set GPIO pin1 to “High” state at “Ouput” mode.

...

GPIO2=0x31 → Use GPIO31 controller of IO chipset for GPIO pin2. ... and such as this.

2.3 Message information

When you execute the FitGpio.exe file , the system appear following error message

1. Message : Open driver FAIL

This mean the enable of driver is failed. Please run the program as administrator mode.



2. Message : Can' t find Fintek IC

The mean the Fintek IC can' t be found in this platform.

