

Troubleshooting

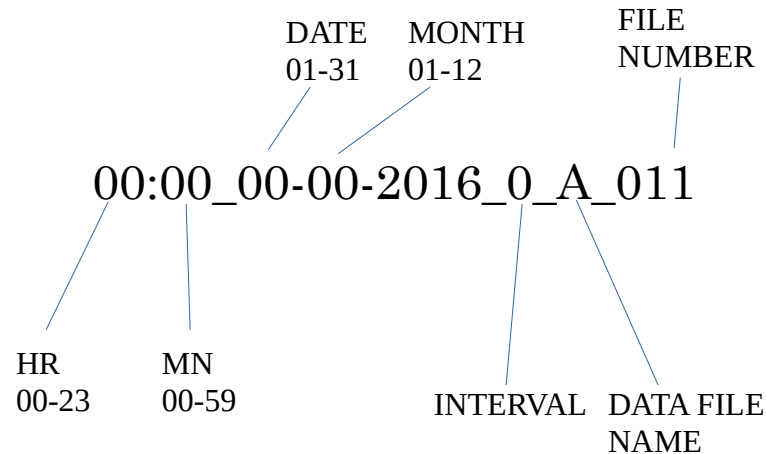
PROBLEM	CAUSE	ACTION
No power LED with +5V USB power when turn on	1. USB plug is not provide +5V 2. broken cable	1. Find the USB plug with +5V, try with PC USB port 2. find new cable
RED LED alert blinking	1. no memory card 2. dead card 3. card is not FAT32	1. Insert memory card 2. Try new memory card 3. Format it with FAT32
No records file	1. dead card 2. Card is not FAT32 format	1. try new memory card 2. Format the card with FAT32
Strange Date and time shown in the record	1. wrong settings for data and time in auto.txt	1. correct data and time settings in auto.txt
Device stop running, no LED indicator	1. battery is run out	1. renew battery or use external +5V USB power
Date and time shown in the record is not correct	1. date and time must be set beforehand	1. set date and time for new recording
PC cannot detect USB port	1. USB cable has no data lines	Change USB cable
Windows cannot link USB device	PC needs CH340 driver	Install CH340 driver

DATA LOGGER 3 Quick Start

1. Power source can be any USB compatible battery pack.
2. SD memory card must be formatted with FAT32.
3. Turn power off before connecting sensors.
4. Connect heat sensor, LM35 to CH1.
5. Connect another sensors if needed to the rest channels.
6. Push SD card, press until locked.
7. Turn power on.
8. The device will find set up file, auto.txt in the SD card. If no such file, then the device will create it.
9. The device will scan the analog signal from CH1 to CH6, and save the readings in Volts unit to the data file.
10. Interval between readings is approx. 12 seconds.
11. Let the device operates for a while.
12. Turn power off when no LED indicating.
13. Remove SD card.
14. The data file is CSV format. We can import it into the spreadsheet software easily.

Setup File

The setup file, auto.txt is simple text file. We can modify it using any text file editor. Time and date settings is for start recording.



The INTERVAL can be programmed with number 0 to 6.

INTERVAL NUMBER	Sampling interval
0	12 secs
1	1 min
2	3 mins
3	5 mins
4	10 mins
5	30 mins
6	60 mins

Reading Real-time Data

The USB port has data link to the PC. If we connect the data logger to the USB port of a Personal Computer, the device can send real-time readings to the PC via COM port directly.

1. Ensure data logger is turned off.
2. Connect sensors and push SD card until locked.
3. Connect the data logger to the USB port using micro USB cable.
4. Turn power ON.
5. Windows software will assign a given COM port number.
6. Open terminal software, select that COM port (in step5), set serial port to 9600 8n1.
7. When the readings is recorded to memory card, the real-time data will be printed on terminal.

Reading real-time data is designed for sensor testing.

USB driver can be downloaded at:

http://www.kswichit.com/Flashflex/images/CH34x_Install_Windows_v3_4.zip