

## WD 硬盘初始化认盘读写慢的手工处理方法

作者: **niotis**

详解:

我们在维修中经常遇到 WD 硬盘的一种通病, 表现为初始化慢, 电脑开机认盘慢, 读写数据或大件模块也很慢, 大多情况 MHDD 扫描是没有坏道的。

目前, 仅有 DFL-WDII 有对此处理的方法, 效率源, WDR5.3 等都无法快速处理方法。本人经过对比 DFL 处理好此情况盘的前后模块对比, 发现软件仅仅对 02 即硬盘参数密码模块修改过。经大量实验, 终于找出正确方法。

使用 winhex 或 WDR 里的模块编辑功能, 打开 02 模块后如图所示:

Offset	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	
000004E0	58	58	01	01	01	01	01	00	00	00	00	00	00	00	00	00	XX
000004F0	00	01	30	30	59	35	30	30	32	32	3F	00	02	00	01	00	00Y50022?
00000500	00	00	00	00	00	00	00	00	01	88	88	88	88	44	44	22	IIIIID"
00000510	53	4D	54	45	53	54	20	53	54	52	49	4E	47	20	4C	41	SMTEST STRING LA
00000520	52	47	45	20	53	49	5A	45	20	49	53	20	31	30	30	20	RGE SIZE IS 100
00000530	42	59	54	45	53	2D	BYTES-----										
00000540	2D	-----															
00000550	2D	-----															
00000560	2D	-----															
00000570	2D	2D	2D	2D	2D	00	4F	44	44	00	00	00	00	00	00	00	----- ODD
00000580	00	00	00	01	02	02	80	0C	00	00	20	03	00	00	00	00	
00000590	32	00	00	00	00	00	00	00	1E	00	00	00	05	D6	06	C0	开始标志
000005A0	12	00	00	19	00	00	00	01	01	08	01	00	00	00	00	10	
000005B0	00	02	10	00	00	01	00	00	00	00	01	00	00	00	01	00	
000005C0	28	64	00	2C	01	03	00	00	C8	00	00	00	00	00	00	01	(d , È
000005D0	04	00	14	03	3C	FE	FF	FF	0F	03	46	03	00	00	00	00	<pyy F
000005E0	2C	01	00	00	00	00	00	00	00	00	00	01	01	F4	01	00	, ò
000005F0	00	1E	00	00	00	64	00	00	00	64	00	00	00	64	00	00	d d d
00000600	00	64	00	00	00	02	00	00	00	02	00	00	08	00	00	00	d
00000610	00	FD	FF	00	00	FF	0F	00	00	05	0A	0C	00	00	00	FD	yy yy y
00000620	FF	00	00	FF	FF	00	00	01	00	00	00	00	00	00	00	00	y yy

02 号模块出现参数错乱, 一般在地址 0590 这一排的前后, 位置不一定固定, 重要标志是地: 十六进制在 00 4F 44 44 之后, 到 01 00 28 64 之前这一段, 对比如图右边的标志是---ODD 之后, 一直到十六进制 01 00 28 64 之前这一段。

将这一段手工填 0 后, 校验并写入硬盘, 硬盘即修复成功, 读写也正常了。更改后如下图:

Offset	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	
000004E0	58	58	01	01	01	01	01	00	00	00	00	00	00	00	00	00	XX
000004F0	00	01	30	30	59	35	30	30	32	32	3F	00	02	00	01	00	00Y50022?
00000500	00	00	00	00	00	00	00	00	01	88	88	88	88	44	44	22	IIIIID"
00000510	53	4D	54	45	53	54	20	53	54	52	49	4E	47	20	4C	41	SMTEST STRING LA
00000520	52	47	45	20	53	49	5A	45	20	49	53	20	31	30	30	20	RGE SIZE IS 100
00000530	42	59	54	45	53	2D	BYTES-----										
00000540	2D	-----															
00000550	2D	-----															
00000560	2D	-----															
00000570	2D	2D	2D	2D	2D	00	4F	44	44	00	00	00	00	00	00	00	----- ODD
00000580	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00000590	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
000005A0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
000005B0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	01	00	
000005C0	28	64	00	2C	01	03	00	00	C8	00	00	00	00	00	00	01	(d , È
000005D0	04	00	14	03	3C	FE	FF	FF	0F	03	46	03	00	00	00	00	<pyy F
000005E0	2C	01	00	00	00	00	00	00	00	00	00	01	01	F4	01	00	, ò
000005F0	00	1E	00	00	00	64	00	00	00	64	00	00	00	64	00	00	d d d
00000600	00	64	00	00	00	02	00	00	00	02	00	00	08	00	00	00	d

注: 此方法仅支持 WD 的 ROYL 系列, 如使用 WDR 或 DFL 修改保存后即可写入, 程序会自动校验, 如使用其它工具, 需校验模块后才能写入, 以免发生错误造成不认盘等故障。