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WBT-201 LOG Data Special Format for TimeMachineX: *.tk2 & *.tk3 file

Version	Release note	Release date
1.0	1. First version release	2007/06/11

Suit device	Device version
WBT-201	● Hardware Version: 1.100 ● Software Version: 1.305~ ● Log Version: 1.000

Suit software	Software version
TimeMachineX	● R13~

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Part A. TK2 Format:

TK2 file is separate from the *.tk1 file via TimeMachineX, the TK2 file is each track in the original *.tk1 file.

Address 0000h~03ffh: tk2 header area. (Total 1024 Byte)
Contents:

	Item	Data	Data type	Data number	Total Byte
1	Name of Log format	"WintecLogTK2"	char	16	16 Byte
2	Log Version	*	float	1	4 Byte
3	Software Version	*	float	1	4 Byte
4	Hardware Version	*	float	1	4 Byte
5	Flash ID	*	unsigned short	1	2 Byte
6	Device Name	WBT-201(default)	char	20	20 Byte
7	Device Information	Null(default)	char	20	20 Byte
8	Device Serial number	YYMM1234567890	char	40	40 Byte
9	Local time of reading Log data	#	char	20	20 Byte
10	Track Description	Null(default)	char	300	300 Byte
11	Zone Index	-1 or +1	char	1	1 Byte
12	Hour of Zone	#	unsigned char	1	1 Byte
13	Minute of Zone	#	unsigned char	1	1 Byte
14	Time of First Point	Ex: 2007-06-08T14:02:32Z+08:00	char	27	27 Byte
15	Total Point in	#	unsigned	1	4 Byte

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	the track		int		
16	Total spend time in the track (sec.)	#	unsigned int	1	4 Byte
17	Total distance in the track (meter)	#	unsigned int	1	4 Byte
18	Number of Push To Log point in the track	#	unsigned int	1	4 Byte
19	Reserve		char	548	548 Byte

* : Depends on the device

: Depends on the LOG data

Address 0400h~((N-1)*16)h: LOG Data, where **N** is total numbers of LOG points in this file (track) . Each point of LOG Data is 16 Bytes; the LOG point formats the same of tk1 LOG data format. (Reference WBT201_technical_document_2_LOGDATA)

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Part B. TK3 Format:

TK3 file is separate from the *.tk1 file via TimeMachineX, the TK3 file is collected all push to log points in the original *.tk1 file.

Address 0000h~03ffh: tk3 header area. (Total 1024 Byte)
Contents:

	Item	Data	Data type	Data number	Total Byte
1	Name of Log format	"WintecLogTK3"	char	16	16 Byte
2	Log Version	*	float	1	4 Byte
3	Software Version	*	float	1	4 Byte
4	Hardware Version	*	float	1	4 Byte
5	Flash ID	*	unsigned short	1	2 Byte
6	Device Name	WBT-201(default)	char	20	20 Byte
7	Device Information	Null(default)	char	20	20 Byte
8	Device Serial number	YYMM1234567890	char	40	40 Byte
9	Local time of reading Log data	#	char	20	20 Byte
10	Description	Null(default)	char	300	300 Byte
11	Zone Index	-1 or +1	char	1	1 Byte
12	Hour of Zone	#	unsigned char	1	1 Byte
13	Minute of Zone	#	unsigned char	1	1 Byte
14	Time of First push log Point	Ex: 2007-05-11T16:12:13Z+08:00	char	30	30 Byte
15	Time of last	Ex:	char	30	30 Byte

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	push log Point	2007-06-08T14:02:32Z+08:00			
16	Number of Push To Log point in the file	#	unsigned int	1	4 Byte
17	Reserve		char	527	527 Byte

* : Depends on the device

: Depends on the Push to LOG data

Address 0400h~((N-1)*16)h: LOG Data, where **N** is total numbers of Push to LOG points in the file. Each point of LOG Data is 16 Bytes; the LOG point formats the same of tk1 LOG data format. (Reference WBT201_technical_document_2_LOGDATA)

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