

## NL-120GR 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
NL-120GR	<ul style="list-style-type: none"><li>● Hardware Version: 1.100</li><li>● Software Version: 1.305~</li><li>● Log Version: 1.000</li></ul>

Suit software	Software version
TimeMachineX	<ul style="list-style-type: none"><li>● R13~</li></ul>

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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	NL-120GR(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		
<b>16</b>	Total spend time in the track (sec.)	#	unsigned int	1	4 Byte
<b>17</b>	Total distance in the track (meter)	#	unsigned int	1	4 Byte
<b>18</b>	Number of Push To Log point in the track	#	unsigned int	1	4 Byte
<b>19</b>	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)

## 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

	push log Point	2007-06-08T14:02:32Z+08:00			
<b>16</b>	Number of Push To Log point in the file	#	unsigned int	1	4 Byte
<b>17</b>	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)