



VitalJacket® SDK

VitalJacket SDK v1.0.07 – InfoExporter.exe application

LEGAL NOTICE AND DISCLAIMER

ATTENTION: Although **VitalJacket** is a certified medical device, its developer version is **NOT** certified for diagnosis usage. It is intended for R&D and development purposes **only**. Users of VJ SDK can submit their final developments to medical certification. All contents of our product are compliant with the European Medical Device directive 93/42/EEC but, being a developer's version, it's not certified.

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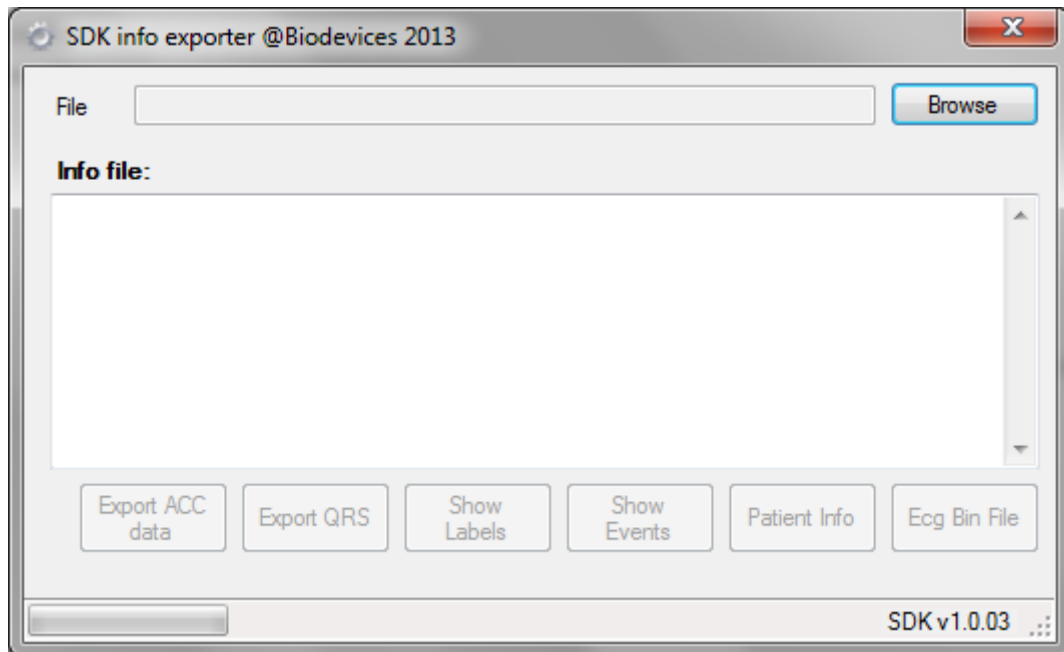


Introduction

VitalJacket © is a wearable system with real time ECG acquisition that can be transmitted on-line or stored for posterior analyses. The ECG signal is send in real time to a online module using Bluetooth (wireless) or stored in a memory card. This data can be accessed through VitalJacket SDK package.

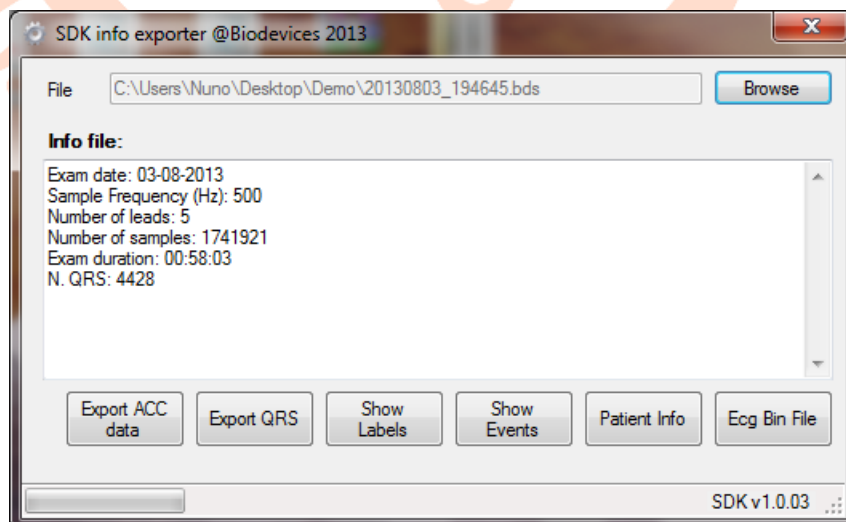


Features InfoExporter application



This manual describes the functionality of the InfoExporter application.

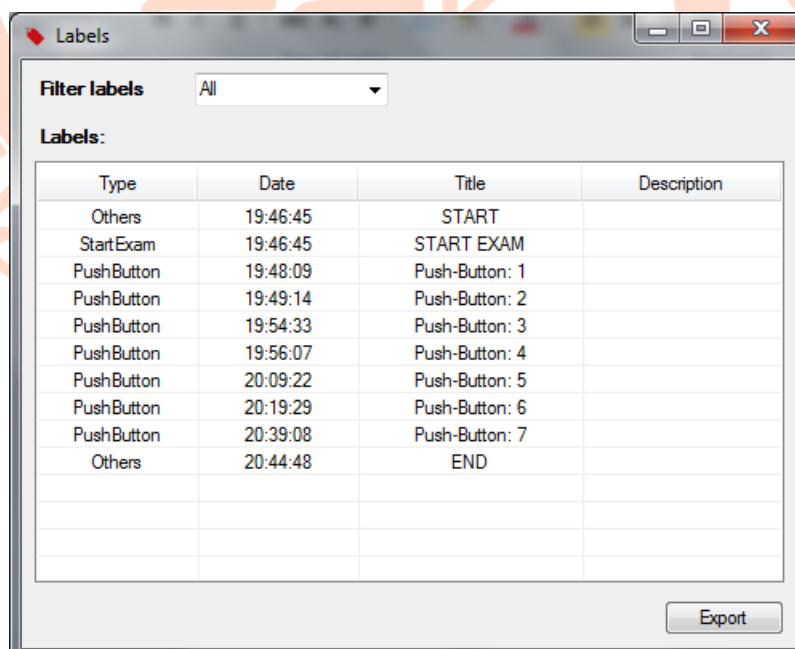
1. Select **BDS** or **BDH** file to open;



2. If exam was analyzed, it is possible export QRS:

	A	B	C	D	E
1	Position [samples offset]	Type	R-R (ms)	HR (Bpm)	
2		3960 NORMAL	7920	0	
3		4297 NORMAL	674	0	
4		4659 NORMAL	724	82	
5		5029 NORMAL	740	81	
6		5396 NORMAL	734	81	
7		5763 NORMAL	734	81	
8		6121 NORMAL	716	83	
9		6467 NORMAL	692	86	
10		6809 NORMAL	684	87	
11		7153 NORMAL	688	87	
12		7498 NORMAL	690	86	
13		7836 NORMAL	676	88	
14		8165 NORMAL	658	91	
15		8494 NORMAL	658	91	
16		8818 NORMAL	648	92	
17		9139 NORMAL	642	93	
18		9480 NORMAL	682	87	
19		9873 NORMAL	786	76	

3. Export labels in exam:



4. Export events in exam:



References

- [1] Pan J and Tompkins WJ. A Real-Time QRS Detection Algorithm. IEEE Transactions on Biomedical Engineering 32(3):230-236, 1985
- [2] MIT-BIH Arrhythmia Database: <http://www.physionet.org/physiobank/database/mitdb/>



Control versions

Version	Date	Change log
1.0.02	30-04-2013	<i>Get device ID</i>
		<i>Send radio event to device</i>
1.0.03	19-07-2013	<i>New method to send radio-event to device</i>
		<i>A new too l(InfoExporter.exe) for export data to Excel and Matlab</i>