

Appendix A

The USBampGetInfo Command Line Tool

The USBampGetInfo tool prints information about the filter capabilities of attached g.USBamp amplifiers. This information can be used to configure the **USBamp-Source.exe** module with proper filter settings.

```
*****
BCI2000 Information Tool for g.USBamp
*****
(C)2004 Gerwin Schalk
      Wadsworth Center
      New York State Department of Health
      Albany, NY, USA
*****
Amp found at USB address 1 (S/N: UA-200X.XX.XX)
Printing info for first amp (USB address 1)
```

Available bandpass filters

```
=====
num| hpfr | lpfreq | sfr | or | type
=====
```

000	0.10	0.0	32	8	1
001	1.00	0.0	32	8	1
002	2.00	0.0	32	8	1
003	5.00	0.0	32	8	1
004	0.00	15.0	32	8	1
005	0.01	15.0	32	8	1
006	0.10	15.0	32	8	1
007	0.50	15.0	32	8	1
008	2.00	15.0	32	8	1
009	0.10	0.0	64	8	1
010	1.00	0.0	64	8	1
011	2.00	0.0	64	8	1
012	5.00	0.0	64	8	1
013	0.00	30.0	64	8	1
014	0.01	30.0	64	8	1

015	0.10	30.0	64	8	1
016	0.50	30.0	64	8	1
017	2.00	30.0	64	8	1
018	0.10	0.0	128	8	1
019	1.00	0.0	128	8	1
020	2.00	0.0	128	8	1
021	5.00	0.0	128	8	1
022	0.00	30.0	128	8	1
023	0.00	60.0	128	8	1
024	0.01	30.0	128	8	1
025	0.01	60.0	128	8	1
026	0.10	30.0	128	8	1
027	0.10	60.0	128	8	1
028	0.50	30.0	128	8	1
029	0.50	60.0	128	8	1
030	2.00	30.0	128	8	1
031	2.00	60.0	128	8	1
032	0.10	0.0	256	8	1
033	1.00	0.0	256	8	1
034	2.00	0.0	256	8	1
035	5.00	0.0	256	8	1
036	0.00	30.0	256	8	1
037	0.00	60.0	256	8	1
038	0.00	100.0	256	8	1
039	0.01	30.0	256	6	1
040	0.01	60.0	256	8	1
041	0.01	100.0	256	8	1
042	0.10	30.0	256	8	1
043	0.10	60.0	256	8	1
044	0.10	100.0	256	8	1
045	0.50	30.0	256	8	1
046	0.50	60.0	256	8	1
047	0.50	100.0	256	8	1
048	2.00	30.0	256	8	1
049	2.00	60.0	256	8	1
050	2.00	100.0	256	8	1
051	5.00	30.0	256	8	1
052	5.00	60.0	256	8	1
053	5.00	100.0	256	8	1

... continued for sampling rates up to 4800 Hz

Available notch filters

```
=====
```

num	hpfr	lpfreq	sfr	or	type
000	48.00	52.0	128	4	1
001	58.00	62.0	128	4	1
002	48.00	52.0	256	4	1
003	58.00	62.0	256	4	1

```
=====
```

004		48.00		52.0		512		4		1
005		58.00		62.0		512		4		1
006		48.00		52.0		600		4		1
007		58.00		62.0		600		4		1
008		48.00		52.0		1200		4		1
009		58.00		62.0		1200		4		1
010		48.00		52.0		2400		4		1
011		58.00		62.0		2400		4		1

Appendix B

The neurogetparams Command Line Tool

```
BCI2000 Parameter Tool for Neuroscan Acquire V4.3
*****
(C)2004 Gerwin Schalk and Juergen Mellinger
      Wadsworth Center, New York State Dept of Health, Albany, NY
      Eberhard-Karls University of Tuebingen, Germany
*****
Signal Channels: 32
Event Channels:  1
Block Size:     40
Sampling Rate:  1000
Bits/Sample:    16
Resolution:     0.168 muV/LSB
Parameter file test.prm successfully written
```

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