

G3 Training Module



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WHAT IS CAPNOGRAPHY?

Capnography is:

- Used in diagnosis of complex patients
 - Obesity Hypoventilation Syndrome
 - COPD

We've made it simple as a USB plug!





REORDER NUMBER

1101087 Alice, LoFlo starter kit (LoFlo, sampling line 10 pk, Alice LoFlo USB cable, and cannulas)

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



SETTING UP LOFLO FOR ALICE

System Requirements

Alice 6 PSG system

- Sleepware G3 v3.3.1 or higher
- Alice 6 firmware R6 or higher

Alice 5/LE PSG system

- Sleepware G3 v3.3.1 or higher
- Alice 5/LE firmware v 1.9.0 or higher (available May 2013

Connecting LoFlo to Alice



* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Open General Settings from Sleepware

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File	Edit	View	Scoring	Devices	Report	Video	Tools	Workspaces	Window	Help				
				<u>o</u> 💫	-									
Con	ig	Start /	Acquisition		í									
	9	Genera	l Settings											
		Audio a	nd Video Sett	tings										_
Re	се	Configu	ration Builder	r										_
Na	im	Synchro	onize Clock		R	eports		Acquisitio	n ID				Date	_
a,	a	Check f	or Acquisition	IS				00000918	-003849				3/1/2012	
a,	a	Calibrat	tion					00000917	-003849				3/1/2012	
a,	a	Therapy	y Device Conl	trol			00000861-003849						2/2/2012	
a,	a	C. A.		-hh	-		00000870-003849						2/2/2012	
a,	a	System	Installation (_neck				00000865-003849					2/2/2012	
a,	a	System	Log					00000737-003849					12/19/2011	
a,	a	Remove	e Device					00000866-003849					2/2/2012	
a,	a							00000867	-003849				2/2/2012	

Choose a Configuration to Edit

192.168.1.50: Configuration Builder			×
Ω Configuration Builder			? 🛆
LDe_ASV			
LDxS_ASV			
LDxs_MSLT			
LDxS_SelZureResp			
9			
custom_LDxS_PSG_AASM			
Default Configuration : LDxS_PSG	~		
	New	Store To PC	Load From PC

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.





Click the insert arrow at the bottom of the channel list.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



In the Select Input Type window, scroll to the bottom of the Channel Type list, click on LoFlo, and then click the Select button.

192.168.1.50: Configuration Builder		×
Ω Select Input Type		?
Channel Type:	EOG ECG Flow Resp Effort Snore Pleth SpO2 Body Position Pulse Rate Actimeter PR Therapy Device Patient Circuit Aux Input LoFlo	
		Select Back

Choose CO2 from the submenu then enter a channel label name and click the OK button.

192.168.1.50: Configuration Builder			×
Ω Select Channel			?
Channel Label:			
	C02		
	EICO2		
Input Channel:			
		ОК	Back

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Enter custom name for channel label if desired. Repeat for EtCO2 channel.



Go to the General Settings page of the Base Station and enter Elevation.

192.168.1.50: General Settings				×
General Settings			?	^
Serial Number:	003849			
Last Acquisition Number:	1623			
Language:	English 💟			
Notch Setting:	<u>○ 50 H</u> z			
Left EEG Channels Reference:	M2 💌			
Right EEG Channels Reference:	M1 💌			
Left EOG Channels Reference:	M2 🐱			
Right EOG Channels Reference:	M2 💌			
Friendly Name:	LDx-003849			
Oximetry Averaging Time:	O 3 Seconds (Avg.)			
	Seconds (Avg.)			
	O 8 Seconds			
CEMG Re-Referencing Impedance Threshold:	5000 🗸			
Installation Elevation:	1200 O Meters O Feet			
Data Recipient IP Address:	192.168.1.100			
Initiate zero point external therapy pressure calibration:	Start			
		ОК	Cancel	

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



USING THE LOFLO SENSOR WITH SLEEPWARE G3



Starting an Acquisition

- Start an acquisition normally.
- If there is a LoFlo channel in the configuration, the device button will show "Starting Acquisition" and turn orange.

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	Room 6 Starting Acquisition			<u>9</u> %	•						
	Con	figurati	on St	art Page							
	<u>i</u>	ð 🚽	47 (°	11 R							

Warming up

- Once the acquisition is running, the LoFlo takes 30-60 seconds to warm up.
- Device button will remain orange and the message will read "LoFlo Warming Up".

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<u>F</u> ile	<u>E</u> dit	<u>V</u> iew	<u>S</u> coring	<u>D</u> evices	<u>R</u> eport	Vide <u>o</u>	<u>T</u> ools	Wor <u>k</u> spaces	<u>W</u> indow	<u>H</u> elp				
	R LoFlo V	.oom 6 Narmin	ıg Up	<u>e</u> %	•									
Con	figuratio	n Sta	art Page	Capno, Cap	ono ×									
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Ţ	Data Ma	irkup		1										
efaul	F3M2					•								
-	F4M1			4		····								
	C3M2			and the second sec										

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



Zeroing

- After the LoFlo is warmed up, it is zeroed.
- This takes another 30-60 seconds.
- Device button will remain orange and the message will read "LoFlo Zeroing".

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fault	F3M2	<u> </u>					~	·····	
ă	F4M1			***		·····			······
	C3M2								
	CAMI								······································

Normal

- Once the LoFlo has been successfully zeroed, the device button will turn blue.
- Message will be standard "Running" with the duration shown.
- At this time, the tubing between the LoFlo and the cannula should be connected.



Warnings



* Note: Screenshots are from the Sleepware G3 Software and Online Help.



ONLINE HELP

Sleepware G3						x
C→ C→ C→ C→ Back Forward Print Options	_					
Contents Index Search Favorites	Warning: This section lis	s and Actio	NS arnings generated by th	e LoFlo device and the corrective	actions to be taken.	* III
Device Display Area Start and Stop Acquisitions from Alice 5/Alice LE Devices	Warning #	Text shown in device button	Title	User Actions	Notes	
Alice & Devices Alice & Devices ↓ LoFic CO2 Sensor ↓ Configuring the LoFic Modu ↓ Configuring the LoFic Modu ↓ Configuring the LoFic Modu ↓ Wamings and Actions ↓ Configuration Tab ↓ Acquisition Tab	20001	LoFlo warning: 20001	"Check LoFlo Connection"	 Check LoFlo connection to base station. Check that the sensor is properly plugged in. Reinsert or reset the sensor if necessary. If error persists, replace LoFlo's USB cable. If error persists, replace LoFlo. 		
Inter-Scorer Reliability Reports Data Management	20002	LoFlo warning: 20002	"Pump Life Exceeded"	Replace LoFlo.		
G3 Lite		1-51-		1. Remove source of external excessive heat or replace	Make sure	Ŧ

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

SPECIAL LUER TO FIT SAMPLING LINE



Our cannulas are engineered so luers meet with minimal dead air space.



Luers on other cannulas can have too much dead air space, causing turbulence in sample stream. Wave forms are then rounded especially at higher respiratory rates.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

TIPS AND HINTS

- Use LoFlo specific Pro-Flow cannulas
 - Matching of luers important for sharp wave forms
- LoFlo signals will be 3 to 5 seconds behind
 - Nature of side stream monitoring
 - Gas must travel from nose to device
- After updating a Base to R6, make sure to reboot





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Consult the Sleepware G3 and LoFlo manuals for additional information.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

* Disclaimer: Screenshots may change based on software version

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