Coastal **Nomad Drifter**



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For more details, please refer to www.southteksl.com

Key features

- Cost-effective drifter
- Coastal applications
- · User friendly software
- · Robust, precise and handy
- · GPS, GLONASS and GALILEO tracking
- GSM coverage and communications
- Flexible deployment: from an infratable boat to an aircraft carrier
- Continuous working mode up to several months depending on user configured intervals for transmission and position sampling

SouthTEK Sensing Technologies S.L. is not responsible for any direct or indirect damages resulting from the use of these devices

Everyday use of the Nomad drifter

Turning on the drifter

- 1. Unscrew cap from the floater.
- 2. Disconnect the dummy plug (this will automatically switch on the drifter) and set the rubber 4 protection in place.
- 3. Screw cap firmly onto floater, hand tight, ensuring proper seating of the gasket around its entire circumference.
- 4. The buoy is now ready for deployment. Please confirm proper communications through the web application: http://ldmanager.southteksl.com
- 5. To switch off the drifter just connect the dummy plug.

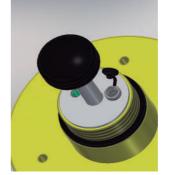


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Charging the internal battery







- 6. Plug the charger.
- The status light on the charger indicates charging status (red charging, green charged).
- Once the internal battery has finished charging, the NOMAD is ready for use.
- The LiPo batteries are sent at 40% of capacity. Fully charge the batteries before deployment.

Caution!

Users of Lithium polymer (LiPo) batteries should take extreme care when handling such batteries. Legislation regarding disposal of LiPo batteries vary from country to country.

Specifications

4	1 Cap
	1. Cap
	2. Floater
2	3. Drogue attachment eye
	4. Gasket
	5. Antenna GPS/Iridium
	6. Charge connector
	7. LED indicator
	8. Electronic device
	9. Battery
3	10. Ballast

	1		
GSM	Quad-Band GSM 850/900/1800/1900 MHz		
GPRS	Multi-slot class 12		
	Receiver 32 channels		
GNSS	GPS/GALILEO/SBAS: L1 1575.42 MHz		
	GLONASS: L1 1597.5 MHz		
Proccesor	ARM Core		
Memory	5 MB (RAM) and 10 MB (Flash)		
	Lithium polymer (LiPo)		
Battery	Capacity standard 20400 mAh (Type M)		
	Nominal = 3.7V		
Antennas	Iridium: 2 dBi GNSS: 2.5 dBi		
Charging conditions	DC 4.2V 2A max		
Dimensions	72 cm x 22 cm x 22 cm		
Weight 2895 gr			

LD Manager Application



Logging in web application http://ldmanager.southteksl.com

SouthTEK	LD Manager	Log in 🗋 🦷
Usemame *		
Password *		
Remember me		
Login		1772 - 17
Forgot your password?		
Forgot your username?		E1214(9)

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LD Manager app available on Play Store



LED Indicators

Started (Running or idle mode).

Searching (GNSS and comm. signals).

Error (Device anormal functionality).

LED indicatos.

For a detailed description of led flashing pattern, please refer to Application Note #202 at http://www.southteksl.com/index.php/downloads

Accesories





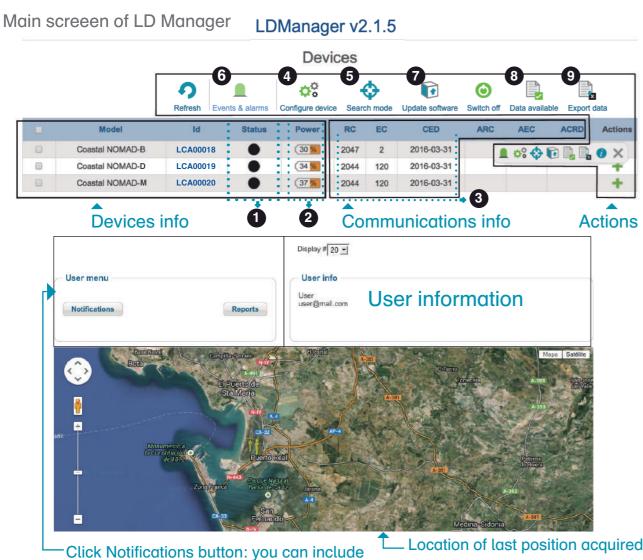
Pila (Drogue)



Satis (Drogue)



LD Manager: Web application

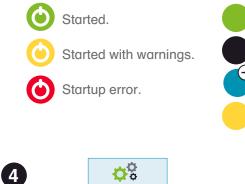


your e-mail to receive the alarms generated by the device.



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Configure device

Online Offline Capsed

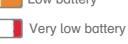
Online

warning

with











SEARCH MODE can be activated or deactivated through LD Manager (below figure) or sent by e-mail (right figure). It becomes operational after the first connection with the drifter.

SEARCH MODE transfers the drifter position via email every five minutes (default) or other user-defined interval.



Activation/deactivation SEARCH MODE through LDManager:

Activate SEARCH MODE to recover easily the drifter including the recipient email and click on Apply button.

Deactivate SEACH MODE clicking on Deny button.

Activation/deactivation SEARCH MODE from e-mail:

Send an e-mail to: config@ldmanager.southteksl.com

To activate -> Message:

search on, DRIFTER ID, PASSWORD, SAMPLE INTERVAL* (in sec)

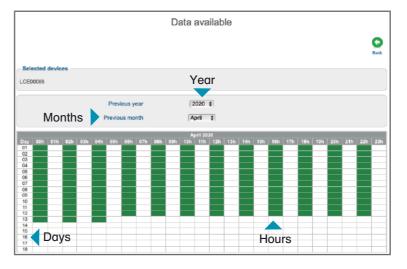
To deactivate -> Message:

search off, DRIFTER ID, PASSWORD

Sen	Send an email				
0	Email Address	search on, LCA00018, 1234, 300			
0	Subject				
Ø	Message	config@ldmanager.southteksl.com			



Green squares represent data availability. Year and month can be selected for each device.



Configure device

Config change in process (with motion)

 $\mathbf{\hat{Q}}^{\mathbf{\hat{Q}}}_{\mathbf{A}}$ Error changing config

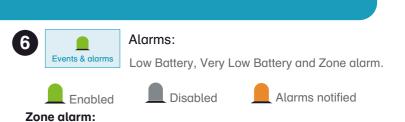
Battery life will depend on GSM coverage and sampling/transfer interval.

RC Remaining connections

3

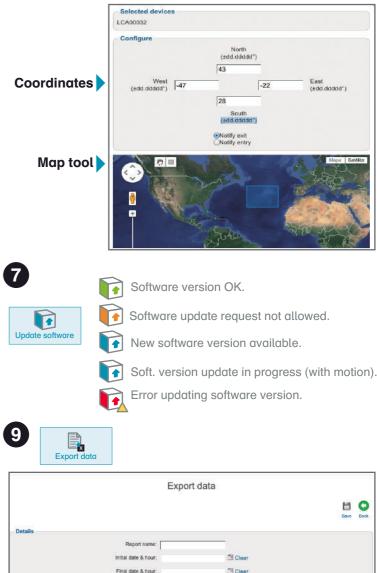
EC Estimated consumption (conns/hour)

CED Credit expiration date



Notifies exit or entry in the area chosen by the user. Insert coordinates or use the map tool chose the area of interest.

				Events & alarms					
						S	L Enable al	Disable all	O
	Name	Low battery slarm	Very low hattery slarm	Zone alarm	Position request response	(*) Low credit alarm	(") Credit	expiration	alarm
	LCA00030	1			1		1		
	LCA00057								
	LCA00053			1					
D	LCA00084						1		
	LCA00158		8	8					



- Prise date & nou: LCA00030 Devices: LCA00057 LCA00057 LCA00057 LCA00054 File format ↓ Plain (axt (.bxt) Spread sheet (.xbt) 3D Position (.kmz) Matiab file (.mat) GPX file (.gpx)
- a) Include the Report name.
- b) Select the initial and final date for data export.
- c) Choose the Devices for data export.
- d) Choose file format for data export.