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Live Trap Alarm

User's Manual



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1. Introduction

1.1 General Description

Live Trap Alarm (LTA) is an electronic alarm giving a call or sending an SMS message to one or several mobile numbers when the alarm is activated. Animal safety and ethical considerations dictate that animals need to be removed from traps as soon as possible to minimize stress and possible self-harm. The LTA uses the tripping of a magnetic reed switch to trigger a module to send you a call or a SMS message over the GSM network. LTA is very easy to set up on different kinds of traps, with its waterproof and rugged construction design, it can work under different weather condition in the field.

1.2 Features

Easy to mount on different types of traps

Quad band and work with GSM SIM card

Call or transmit SMS upon alarm

Daily call or daily report

Fast response when being triggered

Long working hours

Call and Listen to the spot voice

Portable size (114*90*50mm)

2. Parts Identification

Please see below figures (Fig.1 Front View & Fig.2 Internal View).

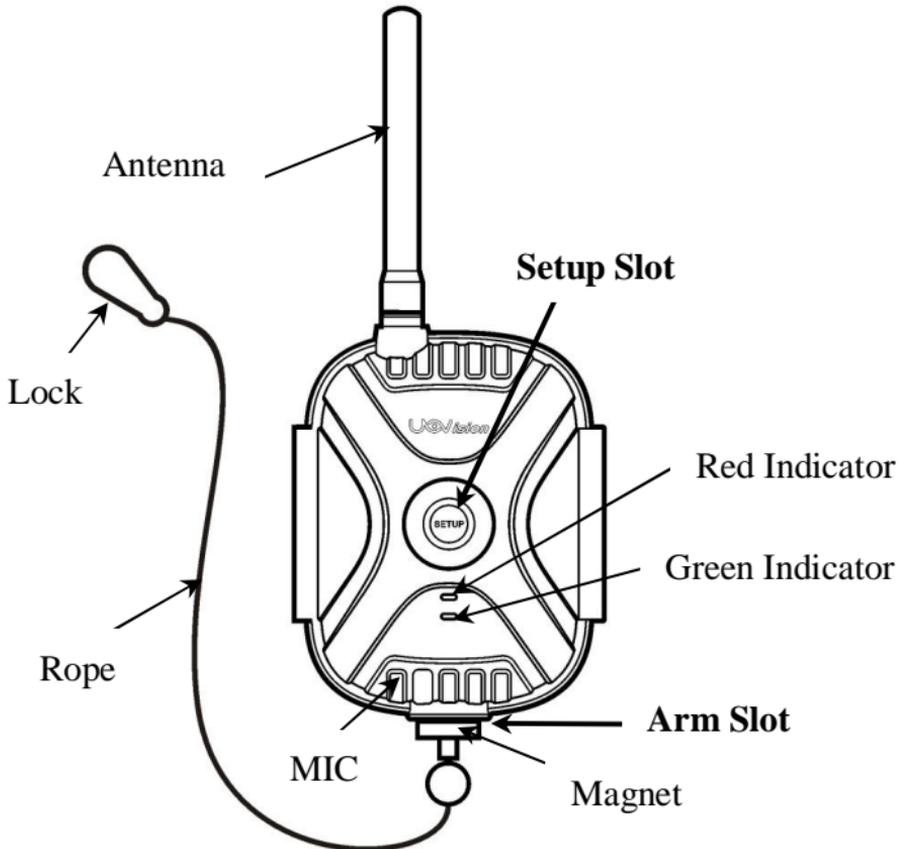


Fig.1 Front View

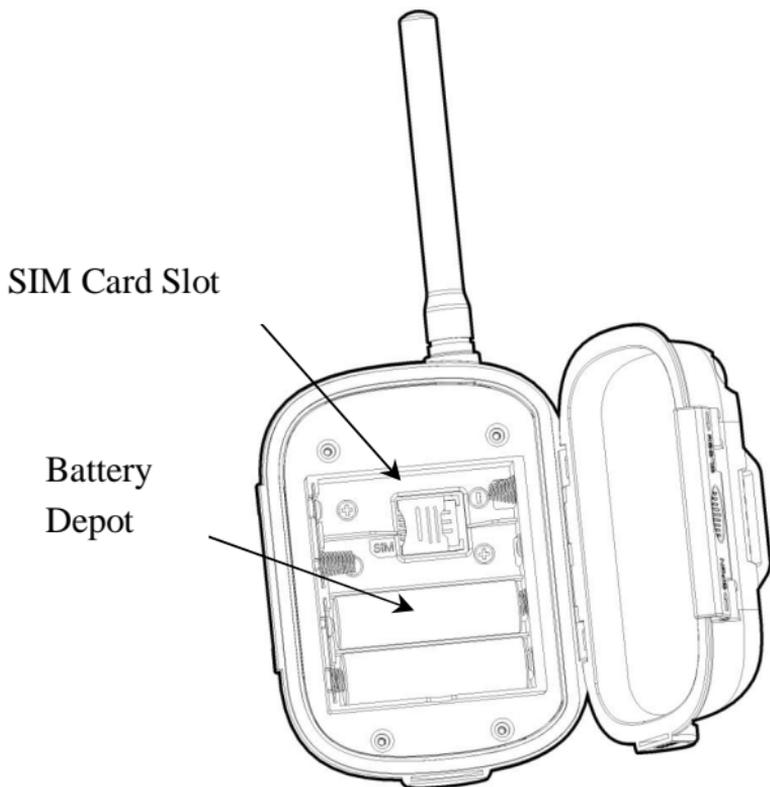


Fig.2 Internal View

3. Installing the SIM Card and the Batteries

3.1 Installing the SIM Card

Follow the indication on the latch to open the LTA, and open the SIM card slot cover, insert the SIM card into the slot with the flat corner facing left down corner. Please make sure the PIN of the SIM card is disable.

3.2 Installing the Batteries

LTA is designed to use 4*AA cell batteries and we'd like to recommend using Lithium or Alkaline battery. Please make sure the polarity (+/-) is correct before installation. Incorrect voltage will damage the machine.

4. Work modes

There are two slots where the magnet can be placed on: **SETUP slot** and **ARM slot**, please refer to the Fig.1.

When place the magnet on the SETUP slot, the system will be on the setup mode, under which some parameters can be set through SMS commands. If no any command is received within 10 minutes, the system will sleep to save power.

When place the magnet on the ARM slot, the system will be on the arm mode, and daily call or daily call report will be sent or to the preset admin numbers at customized time.

Once the magnet is removed from the arm slot, the system immediately boots up to send a alarm SMS text or a alarm call to up to 5 separate telephone numbers and enter the alarm mode. You can call the number of LTA

and listen to the scene under this mode. After performing the alarm task, the system will enter the sleep mode to save power.

5. Setting the LTA

As soon as place the magnet on the SETUP slot, the system starts to log in to the mobile network, after several minutes, the buzz sings a long beep and the green and red indicator are always on, the system are ready to program.

A status message including LTA's name, current time, battery level and signal strength would be sent to the admin numbers when power up LTA for the first time under setup mode or when a new admin number is added.

The system has a built-in security function that requires a 4 digit password to be sent to the unit every time you wish to make any program changes. All SMS command is consist of three parts: 4 digits number password + 3digits number command code + parameter(0~3). The SMS commands and its parameters are listed in the following Tab.1.

Tab.1 SMS commands

Function	Command	Parameter Description	Default
Change Password	#0000#000#1234#	4 digits number, 0~9	0000
Change Name	#0000#010#My_LTA#	0~9, a~z, A~Z, _	UOV_LT A
Add Admin Number	#0000#020#123456789#	Admin number "123456789"	
Delete Admin Number	#0000#021#123456789#	Admin number "123456789"	
Choose alarm mode of LTA, and set the time when daily call or daily report is sent	#0000#030#0#	Alarm SMS: 0-Real-time alarm only	Alarm Call: 2-Real-time alarm and daily call at 8:00 & 20:00.
	#0000#030#1#0800#	Alarm SMS:1-Real-time alarm and report once a day at 8:00	
	#0000#030#2#0800#2000#	Alarm SMS: 2-Real-time	

		alarm and report twice a day at 8:00 and 20:00	
	#0000#031#0#	Alarm Call: 0-Real-time alarm only	
	#0000#031#1# 0800#	Alarm Call:1-Real-time alarm and daily call once a day at 8:00	
	#0000#031#2# 0800#2000#	Alarm Call: 2-Real-time alarm and daily call twice a day at 8:00 and 20:00	
Set call&listen time length	#0000#040#0/ 1/2/3#	0-Turn off audio, 1-within 6 hours, 2-within 12 hours, 3-within 24 hours.	2-within 12 hours
Set system	#0000#050#08	24-hour clock	

time	00#		
Adjust volume	#0000#060#5#	0~5. 0-sound off, 5-max volume	5
Inquire LTA status	#0000#110#	Returns include: name, alarm mode, call & listen time length, volume, battery level and signal strength	
Inquire admin numbers	#0000#120#	Returns include: No.1: *** No.2: *** No.3: *** No.4: *** No.5: ***	

The power indicator, signal indicator and buzz will make corresponding action in abnormal condition such as low battery, no signal. The specification is in the below Tab.2.

Tab.2 Abnormal condition of setup mode

Abnormal condition	Power Indicator (Red)	Signal Indicator (Green)	Buzz
Low Battery	Flash	Always off	Sing every 2s, one at a time
No SIM card, No signal	Always on	Flash	Sing every 3s, two at a time

6. Arm and Alarm

Place the magnet on ARM slot, and the system will enter arm mode after 3 minutes with alternative flashing of power indicator and signal indicator. Buzz will sing every 250ms if the admin phone list is empty to remind you to add admin phone.

When the alarm mode is chosen to Alarm SMS: 1 or 2(alarm and auto daily report once or twice a day), working report will be sent to customized cell numbers automatically at preset time as:

“ UOV_LTA daily report(1/1):

I am working!

Battery: 100%,

Signal: Good. ”.

While the alarm mode is chosen to Alarm CALL: 1 or

2(alarm and auto daily report once or twice a day), a 5 seconds daily call will be sent to customized cell numbers automatically at preset time.

When the magnet is removed by outer force, the unit will power-on itself and send the alert information—“UOV_LTA is alarming” to the pre-stored cell numbers for the first time, then it will send alarm call(if choose alarm mode to Alarm CALL) or Alarm SMS(if choose alarm mode to Alarm SMS) every 2 hours within 24 hours until a SMS “#110312#” be sent to the LTA to confirm to cancel alarm.

7. Call&Listen

After first alarm, if call&listen time length not set to 0(turn off audio), you can call the LTA and listen to the spot voice during the pre-set period (6, 12 or 24 hours) so as to appreciate more information of the animal in the trap. Please make sure your phone number is in the admin list of LTA, otherwise the LTA will hang up the phone.

8. APPs for LTA

It's more convenient to use APP to control LTA. There are Android-based and IOS-based APPs for user to download from Google Play and App Store respectively. Please scan from the product box the two-dimension QR codes to download LTA App.

9. Technical Specification

Network	GSM Quad-band(850/900/1800/1900 MHz)
Sleep Mode Current	<0.08mA
Power Supply	4xAA(1.5V) batteries
Usage Temperature	-25°C ... +60°C
Estimated battery life	½ year with two daily reports
Dimensions	114*90*50mm
Weight	175g (without batteries)
Water Proof	IP56

10. Parts List

Part Name	Quantity
LTA unit	One
Magnets	Two(Φ 20, Φ 16)
Black Ropes	Two(2m, 1m)
Transparent Fish Wire	One(2m)
Lock	One
Fixed Strip	One
Screws	Four
User Manual	One
Antenna	One

WARRANTY

The manufacturer provides 12 months of warranty service for this product against manufacturing defects or malfunctions. If your product fails to function under normal use within 1 year, the manufacturer will repair or replace the product at no charge. The **purchase receipt must be included from an authorized retailer to validate the warranty.** Improper use of the product resulting in damage is not covered by this warranty.

The manufacturer can provide repair service, after the

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warranty expiration. The customer will be responsible for any charges on parts, labor and shipping costs. Please contact the manufacturer for more details.

NOTE:

Please remove the batteries when not in use. Warranty is not covering battery leaks or battery related malfunctions.