

# LOKATOO

## GPS NAVIGATOR

## HARDWARE USER MANUAL

### Lokatoo B1000

Version 2.1

#### What is in the box?

01. Lokatoo B1000 GPS Navigator
02. Stylus
03. Pouch
04. In-car charger - *Installed in vehicle*
05. Travel adaptor
06. USB cable
07. CD containing map and manual
08. 2GB SDMMC Card c/w Peninsular and East Malaysia Map (*FREE Map Updates until December 2010*)
09. Quick guide
10. Software user manual
11. Hardware user manual

For the latest version of this manual, please visit  
[www.lokatoo.com](http://www.lokatoo.com)

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#### TERMS & CONDITIONS


1. The maps data and/or preloaded software ("Software") in this device are licensed by third parties to Amtel Cellular Sdn Bhd ("The Company"). The Software is sub-licensed on a limited, non-exclusive, non-transferable and revocable basis for use by you solely on this device only and is not sold together with the device. If upgrades, updates or supplements to the Software are obtained, the use of such upgrades, updates or supplements is governed by these Terms and Conditions and any amendments that may accompany them and may be subject to additional payments and conditions. You must not reproduce, distribute, publish, transmit, modify, adapt, translate, display, distribute, sell, license, publicly perform, prepare derivative works based upon, or otherwise use or exploit the Software. The foregoing limited right does not give you any ownership of Software and nothing contained in this Agreement may be construed as conferring to you any licence or right to the Software under any copyright or any other intellectual property right.
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3. The trademarks, logos, and service marks ("Trademark") displayed on this Software and device, are owned by the Company and third parties. All Trademarks not owned by the Company are the property of their respective owners, and are used with permission. Nothing contained herein may be construed as granting any right or licence to use any Trademark.
4. The maps and any information stored in this device is strictly a navigation guide for reference use only. It is the sole responsibility of the User's to use this device prudently. Information provided may change over time and you should decide the route based on the actual road conditions and traffic laws. The Company makes no representation or warranty, whether expressly or impliedly as to the accuracy, completeness, timeliness, reliability or fitness for any particular purpose of the maps stored therein.
5. The planned, shortest, quickest routes and estimated time to desired destinations are obtained from optimal route calculations based on the map database and should be used as a reference only. This device must not be used for any purpose requiring precise measurement of direction, distance, location or topography.
6. Do not fix or mount the device on such part of the windscreen that will interfere with driving of the motor vehicle or be hazardous or dangerous to the driver or occupants in the motor vehicle. User shall be responsible for his/her use of the maps stored therein and the device, and shall at all times comply with all traffic laws and regulations of the country of usage.
7. The usage of this device is dependent on the Global Positioning System (GPS) which is operated by the United States government and is solely responsible for its accuracy and maintenance. The system is subject to changes which may affect the performance and accuracy of the GPS navigator devices.
8. The use of the device is at the User's own risk. Lokatoo and the company is not liable for any fines, penalties, damages or loss whether direct, indirect, incidental, special, exemplary, or consequential damages however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of the device.

#### Precautions and Notices

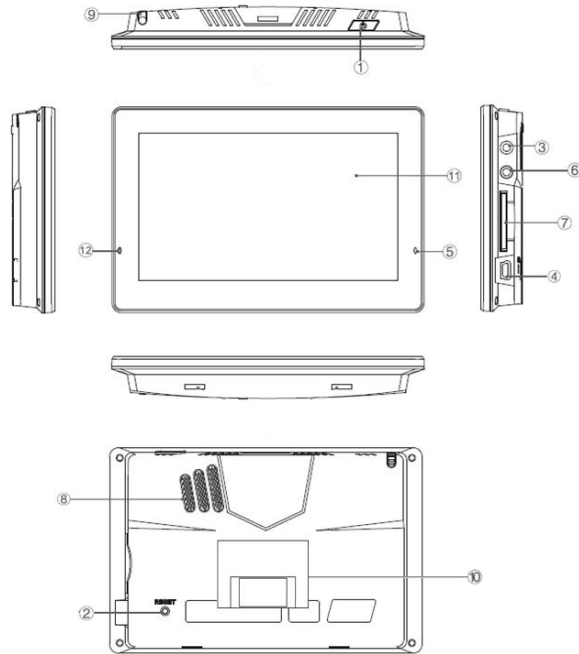
- For your own safety, do not operate the controls of the product while driving.
- When you get off the car, do not leave your device on the dashboard that is subject to direct sunlight. The overheating of the battery can cause malfunction and/or danger.
- Global Positioning System (GPS) is operated and managed by the United States of America Department of Defense, which is solely responsible for the performance of GPS. Any change or modification may affect the accuracy of the GPS and its related systems.
- GPS satellite signals cannot pass through solid materials (except glass). When you are inside a tunnel or building, GPS positioning is not available.
- A minimum of 3 GPS satellite signals is needed to determine current GPS position. Signal reception can be affected by situations such as bad weather or dense overhead obstacles (e.g. trees and tall buildings).
- Other wireless devices in the vehicle might interfere with the reception of satellite signals and cause the reception to be unstable.
- A car holder is needed when using the device in a car. Be sure to place the device in an appropriate place, so as not to obstruct the driver's view, or deployment of airbags.
- Please remove SD/MMC card only when the device is in power off status.
- When USB transmitting, **Do Not** disconnect the USB cable. When other applications are operating, **Do Not** connect USB cable.
- The navigation software may be updated from time to time. If the description shown in this manual is different, please follow the software version currently on hand.

#### Battery Information

For optimal performance of the Li-polymer battery, take note of the following:

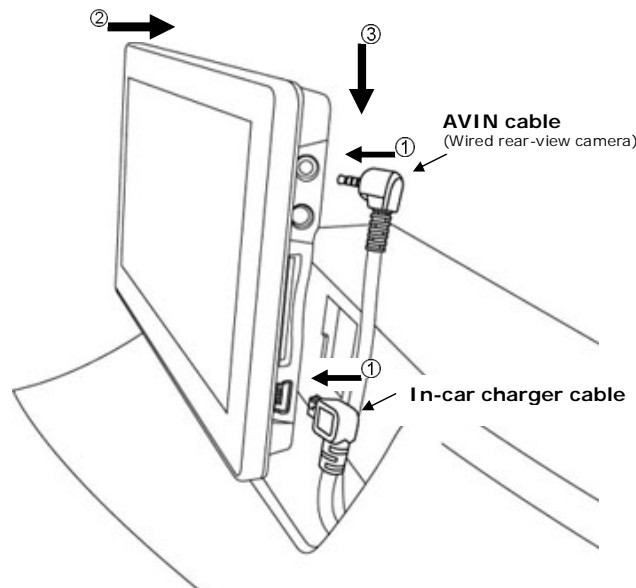
- This unit contains a non user replaceable internal Li-polymer battery. The battery can inflate and release hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, puncture, or dispose of in fire or water.
- The icon  at the top right corner on the main interface of system indicates the current remaining power.
- Disconnect device from charger when it is fully charged. Battery may damage if it is over charged.
- Do not immediately turn on your device after connecting the Travel Adaptor to charge a power-depleted battery. If you need to turn on the device again, wait for at least one minute.
- Do not charge the battery where the temperature is high. This may be harmful to the battery. (e.g. in direct sunlight).
- It is unnecessary to fully discharge the battery before charging. You can charge the battery even if it is only partially discharge.
- If you do not use the device long period of time, charge the battery at least once every two weeks. Over discharge battery can affect the charging performance.
- **Only connect the In-Car Charger to the device after starting the car. Failure to do so may cause irreversible damage to the device.**

## Getting to know your Lokatoo B1000 GPS navigator



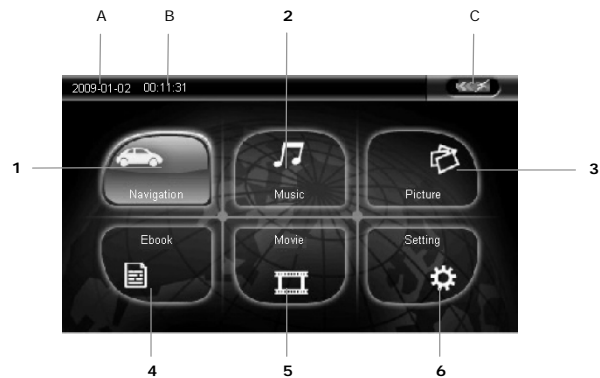
1	Power button	Pressing the power button for more than 2 seconds will switch off the device completely. Pressing it briefly will turn the device to sleep mode.
2	Reset button	To reset the device.
3	AVIN Connector	Connect to external AVIN wired receiver module. (Optional)
4	Mini-USB Connector	Connect to the USB cable for file transfer or battery charging.
5	Charging Indicator	Static red indicate that external power is connected and charging. Static green indicate a fully charged battery.
6	Headphone Connector	Connect to stereo headphone.
7	SD/MMC Card slot	To access navigation software, map, song and video files stored in SD/MMC card.
8	Speaker	Produces audio.
9	Stylus	For inputting via touch screen.
10	Holder bracket	To secure the device to the dashboard holder.
11	Display screen	Display screen with touch screen capability.
12	Microphone	For inputting via voice. (Dependent on software capability)

## Fitting The GPS Navigator To Dashboard Holder



1. Insert the AVIN and In-car charger plug to the respective connector of the navigator.
2. Place the GPS navigator to the dashboard holder as shown above. (The bracket at the back of the navigator must be fitted to the dashboard bracket holder.)
3. Push the GPS navigator downward to secure it to the dashboard.

## Main Interface Menu



A	Date	Display date, month and year.
B	Time	Display the current time.
C	Battery Indicator	Display the battery level of the device.

## 1. Navigation

Tap this icon to launch the navigation software. (Please refer to the navigation software user manual)

## 2. Music



After the desired music file is selected, the music file will be played with player interface shown below.

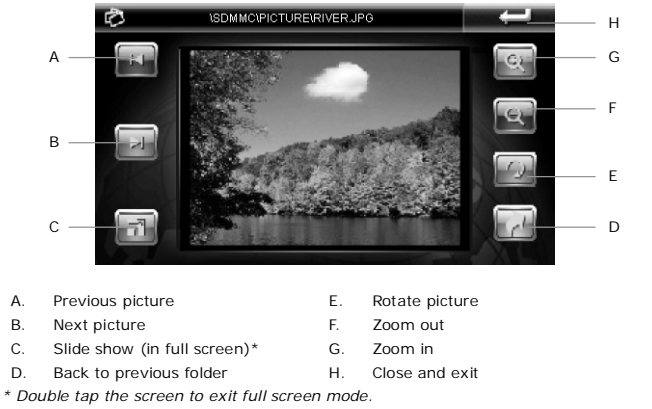


- |    |                   |    |                |
|----|-------------------|----|----------------|
| A. | Shuffle all songs | F. | Previous track |
| B. | Repeat all songs  | G. | Next track     |
| C. | Progress bar      | H. | Play / Pause   |
| D. | Volume            | I. | Previous page  |
| E. | Stop              | J. | Close and exit |

3. Picture



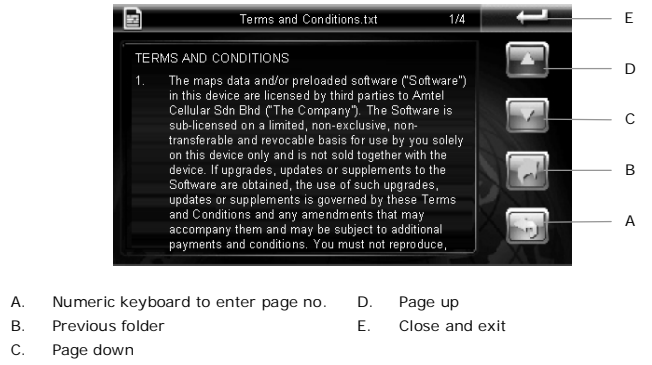
After the desired picture file is selected, the picture file will be displayed as below.



4. Ebook



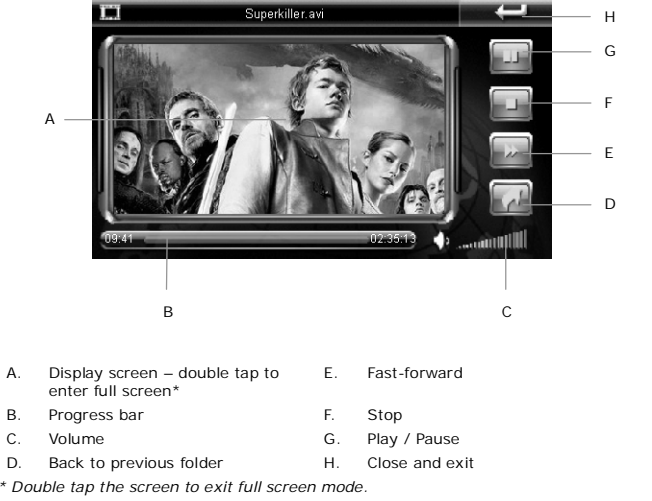
After the desired text file is selected, the text file will be displayed as below.



5. Movie



After the desired movie file is selected, the movie file will be played with player interface shown below.



6. Setting

Tap Setting icon from main menu to enter the setting page. Here you can set the volume, power, backlight, time and date and language. You can also view system information, perform touch screen calibration, GPS reset and factory reset.

6.1 Volume

Tap to increase and to decrease the volume. Tick “Enable sounds for taps” to enable screen tapping sound.

6.2 Power

The “Battery Level” displays the remaining charge of the battery. Tap or to set the time before the navigator enter sleep mode.

6.3 Backlight

Tap to increase and to decrease the screen brightness. Tap or to set the time before the screen is turned off.

6.4 Date & Time

Time – Tap or to set the hour and minute.

Date - Tap or to set the year, month and day.

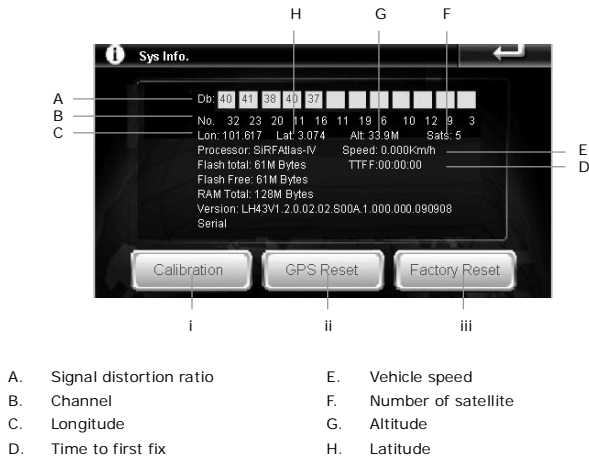
Zone - Tap or to set the time zone.

Note: You do not need to adjust the date and time. When the device is connected to GPS satellite, the current date and time will be downloaded to the device.

6.5 Language

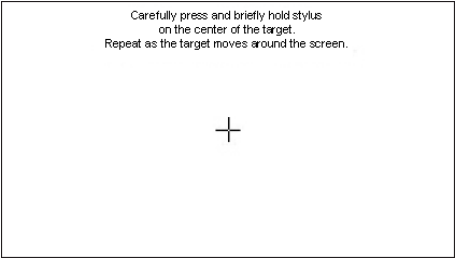
Tap or to set the desired language.

6.6 Sys Info.



i. Calibration

Please perform screen calibration to correct the preciseness of the touch screen. Press and briefly hold a stylus or any similar non-marking instrument to the center of the target. Repeat as the target moves around the screen. When the calibration is completed, simply tap anywhere on the screen to exit.



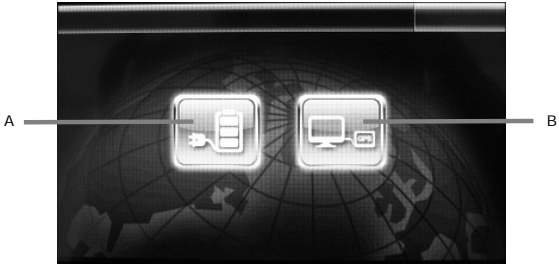
ii. GPS Reset

Tap GPS Reset to clear up the Signal-to-Noise of the data received.

iii. Factory Reset

When Factory Reset is tap, the device will go back to the factory default setting.

Connecting your GPS navigator to computer



When the navigator is connected to computer using USB cable, the screen above will appear. Tap **A** to only charge the battery of the navigator and **B** to access to the navigator’s storage (for file transfer).

Wired Rear-View Camera  
(For B1000 that comes with Wired Rear-View Camera)

To use the wired rear-view camera, please ensure that the AVIN cable is connected to the AVIN port. The camera view will be displayed on the navigator screen only when car transmission is engaged to reverse position.

Specifications (Portable Navigation Device)

Physical	Dimension	134 x 88 x 18mm
	Net Weight	220g
System	Operating system	Windows CE6.0
	CPU	SiRFAtlas IV, CPU 500MHz, RAM11; DSP 250MHz.
	SD RAM	128MB
	NAND Flash	128M (SLC)
	Storage	Support up to max 4GB SD/SDHC/MMC
Core Shell Language	2 Languages	English & Simplified Chinese
Multimedia	Movie	MP4, ASF, WMV, AVI and 3GP
	Music	MP3, WMA and WAV
	Picture	BMP, JPG, PNG and GIF
	Ebook	TXT
Power	Travel Adaptor	INPUT: AC 100-240V OUTPUT: DC 5V/2A
	In-Car Charger	INPUT: DC 12-24V OUTPUT: DC 5V/1.5A
	Battery	3.7V / 1600mAH
	Usage time	Approx. 3-4 hours
Display	Specification	5" TFT LCD, 4 line resistance flat touch screen
	Pixels	480 x 272, TFT with flat touch panel
	Brightness	Adjustable
	GPS Frequency	1575.42MHz
Navigation Feature	Channels	64
	Sensitivity	-161dBm
	Precision	Position: <10 meters
	Capture Time	Hot start: ≤3 sec, average Warm start: ≤38 sec, average Cold start: ≤45 sec, average
	Refreshing Rate	0.1/second
	Com port	COM7
Temperature	Baud Rate	38400
	Operation	-20 to 70°C
	Storage	-25 to 75°C
USB		USB 2.0 high speed
AV IN	Video Format	CLBS (PAL & NTSC)
	Input Impedance	75Ω
	Input Voltage	1.5Vpp
	Audio Format	Analog Signal

Specification (Wired Rear-View Camera)

Image Device	1/4 inch CMOS
Field of View	150°±10°
View distance from camera	≤2.5m
Signal System	PAL
Supply Voltage	9V ~ 16V
Operating Current	≤120 mA
Horizontal Resolution	≥330 TV lines
Picture Resolution	648 x 488 pixels
Minimum Illumination	<1 Lux
IP Waterproof Rating	IP67
Installation	STICK
Dimension	Ø20 x 30.3mm
Signal-to-noise Ratio	>45dB
Operating Temperature	-20 - +70 °C
Storage Temperature	-30 - +80 °C