

V2 GPS FLIGHT INSTRUMENT

User Manual

V2 Index.

- 1. Overview
- 2. Accessories
- 3. Adding lcons
- 4. Adding lcons
- 5. Moving lcons
- 6. Deleting lcons
- 7. Screen Rotation
- 8. Power Off
- 9. Installing LK8000
- 10. Installing LK8000
- 11. Power Off LK8000
- 12. Owner Information
- 13. BackLight
- 14. Clock and Regional Settings

- 15. Internal GPS
- 16. LK8000 Settings
- 17. LK8000 Setting
- 18. Touch Calibration
- 19. Bluetooth
- 20. Bluetooth
- 21. USB 5 10 Pin Cable
- 22. V2 Pin-Out
- 23. Glidertools Settings External Alti
- 24. Glidertools Settings Internal Sensor

V2: Overview



The V2 runs on the operating system Windows Mobile v6.1 which is based on Windows CE 5 kernel.

1

V2: Accessories



Car Charger

AC adapter

10 pin to 5 pin Cable for External device Serial COM 7 : Pin 7 and 9

V2: How to add Icon to the home screen.



1. Press where you want to add a icon and Select "Add Icon"



2. Tap "Image"



3. Select "Icon" which you like



V2: How to add Icon to the home screen.



5. Select "Storage Card"

	+" 'X '\ E'
Files	
📕 LK8000 👻	Name
System	
📙 _Tasks	
BWaypoints	
🔊 imgdecmp.dll	3/18/05 97.0K
SLK8000 PC	5/17/12 1.43M
SLK8000-PNA	5/18/12 1.55M
VLK8000-PPC2002	5/18/12 1.54M
SLK8000-PPC2003	5/18/12 1.54M
RUNTIME	1/5/10 8.42K

6. Select "LK8000 - PNA" then, tap "ok" on top right







8. New icon is added on the home screen5

V2: How to move an Icon.



1. Press icon which you want to move for 2 - 3 seconds



2. Select "Move Icon"



7. Press where you want to move for 2 - 3 seconds then, Select "Move Here"



8. Icon is moved

V2: How to delete an Icon.



 Press icon which you want delete for 2 - 3 seconds the, select "Delete Icon"



3. Icon is deleted from the home screen



2. Tap "Yes" to confirm and close

V2: How to rotate the screen.



1. Tap "Screen rotate icon" at the home screen



2. Portrait screen

V2: How to power off.



1. Press "Power button" for 2-3 seconds

2. Tap "Yes" to Power off

Note:

A momentary press of the Power button will be put the unit into "Sleep mode". Any applications running at this time will be maintained but power consumption Is radically reduced.

A further momentary press of Power button will be resume normal operation.

V2: Installing LK8000.



1. Copy LK8000 folder to Micro SD Card, then insert it into a device





- 3. Go to "My Device" and Tap "Program Files"
- 4. Select "Resco Explorer"

2. Tap "Explorer" icon at the home screen

V2: Installing LK8000.

矝 🞑 File Explorer	#: * x 4	(3:31 🗙
📕 Resco Explorer 👻		Name 🚽
📙 Skins		
Explorer	1/27/10	440K
Explorer	10/16/09	10.0K
ExplorerEn_ver	7/9/08	434B
🛐 Registry	10/16/09	11.1K
🛐 RescoUpdate	10/16/09	7.17K
🖺 R¥iewer	1/27/10	72.5K
🛐 SystemInfo	11/25/09	8.42K



5. Select "Explorer"



7. Select "Program Files" folder, then copy processing



6. Select "Storage Card", then Press "LK8000" for 2 seconds, and Select "File", and "Copy To"

While LK is running, you can switch off the V2 by pressing shortly on the switch button as per previous page instructions.

The V2 is in sleep mode, but the GPS is still working in the background, i.e the red light is still flashing. A short press on the switch button will turn on the V2, with LK still running.

This is a good solution in case you want to maximize battery for a long flight, using LK only when needed. Note that LK is idle as well while the V2 is off! It will not log dat a!

After the flight, exit LK8000 and go back to the desktop, form there siwtch off as normal (see previous page). Do not Power off before exiting LK8000 as the flight log will be lost.

V2: Settings - Owner Information.



1. Tap "Start" and then Select "Settings"



2. Tap "Owner Information"

🐴 Settings															₽ Tx	- €1	:48 ok
Owner Info	rmatio	n															
Name: Company: Address:	pocket	tpc															* III +
Identification	Notes	Option	5							w .							
		123	1 2	2 3	4	5	6	7	8	9	0	-	=	+			
		Tab	q	w	e	r	t	Y	u	i	0	р	I]]	1		
		CAP	a	S	d	f	g	h	j	k	1	;					
		Shif	t z	X	C	۷	b	n	m	1 ,		1	1	₽			
		Cti	áü	•	1						4	Ť	+	->			
							22	-									

3. Use the on - screen keyboard to enter your details then, tap "ok" to save and close

V2: Settings - Back Light.



1. Select "System" and Tap "Backlight"



🎥 🚍	# # ∀_x ∢ € 1:36 ok
Backlight	
supply, turning on the backlight consumes the electricity quickly.	^
The backlight is automatically turned off, when the device is idle in the following conditions:	_
10 seconds 👻	_
Lightness Setting	
dark bright	-
battery external power supply	

2. Un - check the Tick Box and Select Maximum brightness

- 3. Select "External Power supply" tap Un-check the Tick Box, and Select Maximum brightness
- 4. Tap "ok" to save and close

V2: Settings - Clock and Regional Settings.





2. Adjust Time zone and Time



1. Select "Regional Settings"

1. Select "Clock & Alarms"



2. Select your country

V2: Settings - Internal GPS.



1. Select "External GPS"

🎏 Settings	₩ 7_× 4 € 1:38 ok
GPS Settings	
Choose the port that programs will use to obtain GPS data. Any program that uses GPS will peed to communicate with this port.	
GPS program port:	
COM4 🚽	
Programs Hardware Access	

2. Internal GPS is assigned to COM 4

Note: Do not change the COM port.

When GPS is in use, the RED LED LIGHT on the PNA flashes.

This means: LK has accessed the internal GPS port, and the GPS is now working.

If external power supply is recharging the PNA, then the red light is switched on permanently.

Settings		+1 X 4≤ 1:30 0K
GPS Settings		
Specify the hardwa device is connecte the GPS device ma GPS hardware port	are port to which your GPS d. For more information, see nufacturer's documentation. ::	
(None)	•	
Baud rate:	4800 ▼	
Programs Hardwa	are Access	

III 7 4/ 4 00

LK8000 setting for gps:

Device name: Generic Port: COM4 Baudrate 19200 8bit

On the V2 desktop, flip pages until you find the GPS icon, and select it. A page open, named GPS Settings, saying

"Choose the port that programs will use to obtain gps data. Any program that uses GPS will need to communicate with this port".

Please check that GPS program port is set to COM4

Then advance to Hardware tab in the same page.

The "GPS hardware port" should be set to (None). Note: set it to "(None)" otherwise the V2 will NOT use the internal gps and the previous page setting will be useless.

BACKLIGHT SETTING AND AUDIO

From the desktop, click on the upper left corner on the windows icon, where "Start" is printed. A menu appears Click on Settings In the Personal tab, select "Sounds and Notifications" In case they are selected, UNSELECT SCREEN TAPS and HARDWARE BUTTONS

LK has its own sounds and you should not use sounds for screen touch clicks.

In the System tab, select Backlight Adjust preferences for battery and power supply

In the System tab, select Backlight Adjust preferences for battery and power supply

Suggested values are:

On Battery: Set backlight to automatically turn off when the device is idle after 2 minutes, and lightness is set to full bright.

On External power supply: uncheck backlight automatically turned off, and set full brightness. The V2 will always be full brightness and best visibile in sunlight, but if for any reason the power supply fails, after 2 minutes it will go dark., if this happens simply touch the screen, the light will come back on. This is to maximize battery duration.

V2: Settings -Touch Calibration.



1. Select "Screen"

🔧 Settings	;;;† ∀_x 4 € 1:41 ok
Screen	
Orientation O Portrait O Landscape	
Align Screen Align the screen if it is not responding accurately to stylus taps. Align Screen	
General ClearType Text Size	

2. Tap "Align Screen"



V2: Settings -Bluetooth.





1. Select "Bluetooth" on "Connections" tap



3. Select "Devices" tap , and Tap " Add new device"

🎥 🔜 Settings	;;;† ∀_x =(€ 2:28 ok
Bluetoeth	
Turn on Bluetooth	
Make this device visible to other devices	
To connect to a device, click on the Devices tab below.	



2. Select "Mode" tap, and Check "Turn on Bluetooth" and "Make this device visible to other devices



Searching for Bluetooth Devices...



4. Searching for Bluetooth devices

V2: Settings - Bluetooth.



4. Select a device to connect with and Tap "Next"



7. Device is connected, and Tap "Done" to close



 Use the on-screen keyboard to enter a passcode, if not required, Tap "Next"

💦 📃 Settings		₽ 7_× 4 € 2:34 ok
Bluetooth		
Tap Add new device to search for o Bluetooth devices. Tap on a device its settings.	ther to modify	
Connected Add new device Disconnected KartRiderRush:Rushzu7787?	77-	
Devices Mode COM Ports		
		Add

8. Connected

V2: USB 10-5 Pin Cable.



To External Device, Glidertools Cable - Compatible with Oudie, Wayteq, V1, V2 To GPS Device V2

V2: USB 10 Pin.



Pin 1:	Rx-1	Pin 6:	D+
Pin 2:	5+V	Pin 7:	Rx-2
Pin 3:	Tx-1	Pin 8:	NC
Pin 4:	D-	Pin 9:	Tx-2
Pin 5:	ID	Pin 10:	GND

External GT Alti connection Process:

- 1) Use 10pin/5pin miniusb cable which is supplied with Vertica V2.
- 2) Connect GT Altimeter to Vertica V2 via this 10pin/5pin miniusb cable.
- 3) Connect 5V power source to miniusb female on the GT Altimeter.
- 4) On the LK8000 open SETUP System, page 8-Devices and set: Device A: Generic, COM4, 19200, 8bit Device B: LK8EX1, COM7, 19200, 8bit

V2: GliderTools Settings - Internal Sensor.

5 Glide Cor	nputer	
	Auto wind	Circling
	TrueWind IAS	100 kh
	TrueWind period	10 s
	Auto Mc mode	ON
-	Auto Mc mode	Equivalent MC
Next >	L/D Average period	30 seconds
	Thermal locator	Mark center
< Prev	Thermal Orbiter	ON
	Auto Final Glide	ON
Close	Use baro altitude	ON

On page 5 of LK8000 settings enable 'Use Baro Altitiude'



On page 8 of LK8000 settings select LK8EX1, COM 8 and 19200 Baudrate