Prosurv Pocket WorldConTM

Version 1.0

Installation

& Quick Start Guide

For Windows Mobile 2003/2003SE

Contact Information

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Toll-free 888-647-9500 Web site: www.prosurv.com E-mail: sales@prosurv.com techsupport@prosurv.com This version contains a NAD-CON conversion for the continental US ONLY. This software does not include NAD-CON conversions for Alaska, Hawaii, and US islands.

It is planned to include these other **NADCON** conversions in a future upgrade, or at user's requests.

Disclaimer:

Pocket WorldCon software is for the conversion of coordinates between known coordinate systems and Latitude/Longitude. Care has been taken to ensure correct computation of values. However, neither Prosurv LLC nor the author of Pocket WorldCon can be held liable for miscalculations performed by the user, whether inherent in the program or by user error.

This software is not intended for use where severe property or human physical damage could occur due to errors in calculations or locations. Use of this software signifies acceptance of this disclaimer. Before installing the Prosurv software, make sure that your Microsoft ActiveSync® program is running, and that it displays "Connected" and "Synchronized":



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Installing Applications The application and supporting files are			
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Please check your mobile device screen to see if additional steps are necessary to complete this installation.			
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🗖 Dell_Axim	That's it! Pocket Quads.NET is now up and running!
<u>File Z</u> oom <u>T</u> ools <u>H</u> elp	
🎢 Pocket WorldCon 🛛 🗱 📢 2:37 🐽	
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Alabama West 🔹 👻	
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Help Convert	
File 🔤 🔺	
· · · · · ·	
🗖 Dell_Axim	Tap the Help button to read the Help screen.
<u>File Z</u> oom <u>T</u> ools <u>H</u> elp	
🎥 Pocket WorldCon 🛛 📰 📢 2:37 💿	
- Help	
Enter Lat/Long as Positive Values.	
East/West Longitudes are Automatic.	
South Latitudes only apply to UTM.	
Scroll down for NAU27 Zones.	
supports Continental US Zones.	
Island & Alaskan Zones are not	
yet supported.	
Questions? Call 888-647-9500 or	
e-mail: techsupport@prosurv.com	
Parts	
Васк	
File 🔳 🔺	
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Dell_Axim	Convert NAD83 Lat/Long to NAD27 Lat/Long
Eile Zoom Tools Help Pocket WorldCon From Alabama West Latitude Longitude S Lat/Long North/East Feet US Foot	 Pocket WorldCon has a 'From' box and a 'To' box. To convert from NAD83 Lat/Long: Select the Lat/Long Option in the 'From' box. Latitude and Longitude are entered in Decimal form. Select <i>any</i> NAD83 zone from the drop down zones Note: Zones <u>not marked</u> NAD27 in the drop down selections are NAD83.
To Alabama West Latitude Longitude ● Lat/Long ♥ Meters W S ○ North/East Feet ♥ US Foot Help Convert File ▲	
Dell_Axim File Zoom Tools Help Pocket WorldCon Pocket WorldCon DMS to Decimal Degrees 45 Minutes 25 Seconds (SS.sssss) 36.52417 7 7 8 9 - 4 5 6 1 2 3 CA 0 Back Go	If you'd like to enter Latitude/Longitude in Degrees, Minutes, and Seconds (DMS), check the DMS box. Then, when you <u>tap</u> in the Latitude or Longitude boxes , a DMS entry screen will pop up. When entering a Latitude, the cursor will move to the minutes box automatically after entering two digits in the Degrees box. Then, entering two digits in the Minutes box will move the cursor to the Seconds box. Once you've entered the Latitude, tap the Go button.

Dell_Axim Image: Second Seco	The Latitude is converted to Decimal automatically. Now, tap in the Longitude box.
Pocket WorldCon Image: Imag	
Latitude 45.4268122694444 V W Longitude S Lat/Long V Meters V DMS North/East Feet V US Foot	
- To	
Alabama West 👻	
Latitude	
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Help Convert	
File 🚍 🔺	
· · · · · · · · · · · · · · · · · · ·	
Dell_Axim Image: Constraint of the second	Type in your Longitude in DMS. Typing 3 digits into the Degrees box will move the cursor to the Minutes box. Then, typing two digits into the Minutes box will move the cursor to the Seconds box.
Degrees108Minutes45Seconds (SS sssss)25 36928	Tap the Go button to convert the DMS to decimal. The Longitude will now appear in decimal in the Longitude box.
7 8 9 <-	
4 5 6 CE	
1 2 3 CA	
0.	
Back Go	
File 🔤 🔺	

🗖 Dell_Axim 📃 🗖 🔀	Your Latitude and Longitude have now been success- fully entered as the 'From' Lat/Long
<u>Hie Zoom Tools H</u> elp	
Pocket WorldCon 🛛 👫 📢 2:43 💽	
- From	
Alabama East 🗸 🗸	
Latitude 45.4268122694444	
Longitude 108.757047022222	
Lat/Long Meters DMS	
Alabama west	
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Longitude	
Lat/Long Meters W S Novth/East East / US East	
Help Convert	
File 🔳 🔺	
· · · · · ·	
□ Dell_Axim □ ○ File Zoom Iools Help Pocket WorldCon Image: Construction of the second of the se	To convert to NAD27 Latitude/Longitude, we simply need to select from <i>any</i> of the NAD27 zones in the 'To' window. Since we're converting from a Lat/Long to a Lat/Long, the actual zones don't matter. Simply select a NAD83 zone for the 'From' (a NAD83 zone is any zone that doesn't say 'NAD27'). Then select <i>any</i> NAD27 zone for the 'To' zone.

🗖 Dell_Axim	Select the Lat/Long option in the 'To' window.
<u>File Z</u> oom <u>T</u> ools <u>H</u> elp	
搚 Pocket WorldCon 🛛 🚓 📢 2:44 🐽	
From	
Alabama East 👻 👻	
Latitude 45.4268122694444	
Longitude 108.757047022222	
Lat/Long Meters DMS North/East Feet US Foot	
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🔵 North/East 🔄 Feet 🖌 US Foot	
Help Convert	
File A	
I	I
🗖 Dell_Axim 📃 🗖 🔀	Tap the Convert button to complete the conversion.
<u>File Z</u> oom <u>T</u> ools <u>H</u> elp	
🏄 Pocket WorldCon 🛛 🗱 🍕 2:44 🐽	
From	
Alabama East 🗸 🗸	
Latitude 45.4268122694444	
Longitude 108.757047022222	
Lat/Long Meters DMS North/East Feet US Foot	
NAD27-Alabama East	
Latitude 45°25'36.70686"	
Longitude 108°45'22.86762"	
● Lat/Long V Meters W S	
Help Convert	

Other types of possible conversions include:

- NAD27 Lat/Long to NAD27 State Plane or UTM coordinate
- NAD27 Lat/Long to NAD83 State Plane or UTM coordinate
- NAD83 Lat/Long to NAD27 State Plane or UTM coordinate
- NAD83 Lat/Long to NAD83 State Plane or UTM coordinate
- NAD27 Lat/Long to NAD83 Lat/Long
- NAD83 Lat/Long to NAD27 Lat/Long...

Coordinates can be converted from any one zone to any other, including converting between different units automatically. Coordinates can also be converted to Lat/Long (NAD27 or NAD83).

An example of a 'complex' type of conversion is shown here:

From

Northing

Lat/Long

🖲 North/East 🗌

Easting

To UTM 12

File

Northing Easting

Lat/Long

Help

🔘 North/East 🗸

NAD27-Wyoming West Central

Meters

Feet 🗸 US Foot

Meters 🔽 W

Feet 🗸 US Foot

Convert

From:	Wyoming West Centra	al, NAD27 State Plane coordinate
North:	476689.942	
East:	117038.337	
Units:	Meters	
To:	UTM12, NAD83	
North:		
East:		
Units:	US Foot	
Dell_Axim		First, set up the conversion windows by selecting the
<u>File Z</u> oom <u>T</u> oo	ols <u>H</u> elp	zones 'From' and 'To'. Select the North/East options in
🎥 Pocket Wo	idCon 🔰 🚓 👯 8:29 🔗	each window.

s

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S

🗸 DMS

Dell_Axim	Next, type in the Northing & Easting values in the 'From' window.
Pocket WorldCon	(Tap the Keyboard icon at the bottom of the screen to make the keyboard go away).
Dell_Axim Eile Zoom Lools Help Pocket WorldCon Pocket WorldCon Pocket WorldCon Prom NAD27-Wyoming West Central Northing 476689.942 Easting 117038.337 South/East Peet UTM 12 Northing 16337770.779 Easting 2106499.434 Lat/Long Meters W S North/East Feet US Foot Help Convert File	Tap the Convert button to complete the conversion.This conversion yields the following results:To:UTM12, NAD83North:16337770.779East:2106499.434Units:US Foot

This next example is useful when needing to convert from one zone to a neighboring zone. For example:

Dell_Ax	im 📃 🗖 🔀	From:	Arkansas North, NAD83
<u>File Z</u> oom	Tools Help	North:	71388.031
All Decket 1	WarddCon 👘 🕂 0.12 🖓	East:	356930.196
Pocket		Units:	Meters
From			
Arkansas N	lorth 👻	To:	Arkansas South, NAD83
Northing	71388.031	North:	656232.784
Easting	356930.196 S	East:	356927.537
🔵 Lat/Loi	ng 🗸 Meters 🔽 DMS	Units	Meters
🖲 North/I	East 📃 Feet 🖌 US Foot 👘		
- To			
Arkansas S	South 👻		
Northing	656232.784		
Easting	356927.537		
C Lat/Lor	ng 🔽 Meters 🔽 W 🗌 S		
North/I	East 🔄 Feet 🖌 US Foot		
Help	Convert	1	
File	E]	

And, finally, we can easily go from US Foot NAD27 coordinates to Meters NAD83 in a different zone:

🗖 Dell_Axim	IX From:	Arkansas North, NAD83
<u>File Z</u> oom <u>T</u> ools <u>H</u> elp	North:	234212.232
🎊 Pocket WorldCon 🛛 📰 📢 9:1	9 👧 East:	1171028 .485
- From	Units:	US Foot
Arkansas North	–	
Northing as (as a sec	10:	Arkansas South, NAD27
234212.232	North:	256215.482
Easting 1171028.485	East:	566542.129
🔵 Lat/Long 🔄 Meters 🛛 🗸	DMS Units	Meters
💿 North/East 🗸 Feet 🗸 US Foo	rt 🛛	
- To		
NAD27-Arkansas South	-	
Northing 256215	482	
Easting 566542	129	
🔵 Lat/Long 🛛 V Meters 🗸 W	🗆 s	
North/East Feet US For	rt.	
Help Convert		
File	■ ▲	

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