

Uploading geoids into FAST Survey/MobileMapper CE

24 May 2007

- A. Connect MobileMapper CE to your PC with Microsoft ActiveSync
 - 1. Attach the I/O module to the back of the MobileMapper CE receiver.
 - 2. Insert the small connector on the USB cable to the I/O module and the large connector to your PC.
 - 3. If you have installed Microsoft ActiveSync on your PC, the PC should automatically recognize your receiver as soon as you attach it.
 - 4. ActiveSync will ask if you wish to set up a partnership between your PC and MobileMapper CE.



Note: Most customers prefer <u>not</u> establishing a partnership but instead set up a Guest relationship between their PC and the MobileMapper CE. But the choice is yours.

5. If you set up a guest relationship, you will see the following screen:

😔 Microsoft ActiveSync 📃 🗾 🗙					
File View Tools	s Help				
0 0	 8	9			
Sync Stop	Details	Explore	Options		
Guest				A	
Connected				U	
				\uparrow	
Information	Status				



ActiveSync is now running and your PC and MobileMapper CE are in communication. The screen above will be minimized when you activate any other application.

B. Upload a geoid using the **Geoids** application

- 1. Launch Geoids from GNSS Solutions (Tools→Geoids) or from Windows (Start→Programs→GNSS Solutions→Tools→Geoids)
- 2. Select the geoid file you want to upload
- 3. Select Transfer → Writes...
- 4. Select **Zmax data collector** on the **Extract region...** screen displayed below:

Extract region from RAF98 geoid	×			
Zmax data collector				
North 51*30' 0.0000"N South 50*31'30.0000"N				
West 3°12'29.9880" E East 7°27'29.9880" E				
Approximate file size : 45.1 KB				
World Map OK Cancel				

- 5. If you want to upload only a part of the geoid, manually modify the coordinates of area or click the World Map... button and draw the area. When you are done, press OK on the Extract region... screen. This uploads the geoid file to the C:\Documents and Settings\<yourusername>\local settings\Temp\ folder.
- 6. You will now see the **Data Transfer** screen:

Data Transfer	×			
Connect your field terminal to your PC				
On your field terminal, launch the Data Transfer utility				
Then press OK when ready !				
Automatic transfer				
Cancel				



7. When the setting **Automatic transfer** is checked on, the transfer proceeds easily, but it works only if the port number and remote folder settings are correct. So the first time you transfer data or if a data transfer ever fails while in **Automatic transfer** mode, uncheck the **Automatic transfer** box and press **OK** as seen below.

Data Transfer	×				
Connect your field terminal to your PC					
On your field terminal, launch the Data Transfer utility					
Then press OK when ready !					
Automatic transfer					
OK Cancel					

8. If the connection fails, you will see the following screen:

SurvCom v1.25		
Local PC Total Files: 83 Bytes: 12094K Bytes Free: 1818M Local Path:	Circle Mattered	Remote Total Files: 0 Bytes: 0 Bytes Free: 0 Path:
Adute	06/29/06 10:01 06/29/06 10:01 06/27/06 09:02 06/27/06 09:02 06/27/06 09:02 06/27/06 09:02 06/27/06 09:02 06/27/06 09:02 06/27/06 09:02 06/28/06 10:46 06/21/06 12:39 06/23/06 11:38	 Remote data collector not connected or not active! Check each of the following items: Is a supplied NULL MODEM cable being used and is it properly connected? Is the COM port setting on PC correct? Is the remote system ON and software is running? Has the 'Data Transfer' function under the File menu been started on the remote system, and is 'Awaiting Connection' displayed? Is the COM port setting on the remote system correct?
File: *.* Status: Not connected	Tagged LOCAL File	les: 0 Bytes: 0 Rename Options Geoid F2F conv Send Pnts Exit



9. Press Options, select the ActiveSync option and press OK

V Options	×
C0 <u>M</u> Port	ActiveSync 💌
<u>F</u> ile Mask	× ×
Directory Sort	BY NAME
Di <u>s</u> play Special Files	NO
Confirm Over <u>w</u> rite	YES
Confirm <u>D</u> elete	YES
Baud Rate	38400
Protect <u>R</u> emote Files	YES
Archive RW5 Files	NO
<u>O</u> K	<u>C</u> ancel

10. On the following screen, set the Remote folder to \Mydevice\FAST Survey\data





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11. Select the geoid file (with a gsf extension) you wish to use. Because this file was saved to the C:\Documents and Settings\<*yourusername*>\local settings\Temp\ folder at the end of Step 5 above, you will first need to browse to this folder in the left pane to be able to select this file.

1	SurvCom v1.25						_	
	-Local PC				- Remote			
	Total Files: 92				Total Files: 9			
					D A ACTIO			
	Bytes: 12119K				Bytes: 45119			
	Bytes Free: 1818M				Bytes Free: 19786K			
	Local Path:				Remote Path: \Mydevic	e\Fast survey\[Data	
	Name	Size	Modified		Name	Size	Modified	File
	🖻 msoAD.wmf	223K	06/23/06 14:05		🕒 (Up One Level)			File
	🖻 msoDB.wmf	361K	06/23/06 12:27		🗀 Backup		05/30/06 13:36	
	🖻 msoF5.wmf	3742	06/26/06 08:03		demo.CL	236	02/20/04 16:20	CL
	🖻 msoFD.wmf	57210	06/23/06 15:14		📕 🖻 demo.GRD	38542	02/20/04 16:20	GR
	🖻 NAP2004.gsf	24391	06/29/06 09:39		demo.PRO	120	02/20/04 16:20	PR
	RAF98.gsf	259K	06/29/06 09:49		demo.SCT	1920	02/20/04 16:20	SC
	🔊 temp.geo	115K	06/29/06 09:49		🛯 🖻 demo. TPL	1723	02/20/04 16:20	TPI
	🖻 TFR10.TMP	16178	06/22/06 07:51		🔊 NewJob.CRD	104	05/30/06 13:36	CR
	🖻 TFR12.TMP	27777	06/22/06 07:51		🔊 NewJob.inf	1754	06/20/06 07:51	Info
	🖻 TFR1B.TMP	32204	06/22/06 07:51		🛯 🖻 NewJob.sys	720	06/08/06 12:23	Fiel
	🖻 TFR1E.TMP	35574	06/22/06 07:51	-				
	•		Þ	ſ	•			Þ
** Tagged LOCAL Files: 1				Bute	es: 265665			
	Status: Connected to re	mote machine				-		
		<u> </u>		5	5 🧀			
				~	💴 😒			
	Connect Transfer	Set Path Ma	ake dir Delete	Re	name Options Geoid	d F2F conv	Send Pnts Exi	t

12. Click the **Transfer** icon near the bottom left of the screen and you will upload the geoid to the MobileMapper CE receiver.