Connecting the ProMark3 to a PC

These instructions are intended to illustrate and not replace the GNSS Solutions Reference Manual and the instructions in chapter 9 of the ProMark3 / ProMark3 RTK Reference Manual. Please use the manuals for detailed instructions and this document as an example of how it works. The instructions begin on page 162 in the ProMark3 RTK Reference Manual.

The ProMark3 has the I/O module attached, the charger plugged in to make it ready for another day in the field, and the USB download cable connected. It is ready to complete the first step on page 164.



Start the Surveying program then connect the USB cable to the PC.



Always use the same USB port on the computer. That will let the Download program always find the ProMark3 on the same port number.



When I use the port on the side of my computer the Download program makes the connection on USB8. This is an important number for me to remember. Your port number may be different.

It is time to start the Download program. The GNSS Solutions Download program is explained in appendix F of the GNSS Solutions Reference Manual. It will illustrate more than the basic details shown here.

About Download 🛛 🛛 🔀					
2	Download 2.91 Copyright © 2007 Magellan Navigation, Inc. All rights reserved. Visit us on the Web www.pro.magellanGPS.com OK				

First the connection is made to the port that will read the ProMark3. Yours may not be USB8.

Connect via Cable		
Select Port Settings		
USB8		
ок	Cancel	Help

Using the steps described on page 164 in the ProMark3 RTK Reference Manual the Download program reads the files on the ProMark3.

A file on the ProMark3 is selected in the left hand window and copied to the PC drive folder shown in the window on the right.

🛍 Download ->	ProMark3								
File Edit View F	Receiver Help								
☞ ☆ ☜ ⊈ ☶ ☶ 軸 軸 × 面 ● ☷ ☶ ?									
:: 🔽 ::\			C:\Pi	rojects\Example					
Name	Size	Modified	Name	Size	Modified				
jeana07.277	1,560,379	10/4/2007 14:02	L	->UP-DIR*	10/8/2007 13:06				
jeana07.276	1,947,950	10/3/2007 11:18	B bjeana07.277	783,357	10/8/2007 13:06				
jeana07.262	1,681,660	9/19/2007 06:22	D djeana07.277	140	10/8/2007 13:06				
👩 jeana07.241	36,582,043	8/30/2007 11:55	E ejeana07.277	24,510	10/8/2007 13:06				
💮 jeana07.239	36,875,256	8/28/2007 10:19	Gion07.277	74	10/8/2007 13:06				
💮 slr 1a07.238	3,319,470	8/25/2007 19:12	W wjeana07.277	1,920,860	10/8/2007 13:06				
🛱 almanac	2,240								

Disconnect the ProMark3 from the download program with a click on the File menu and then Disconnect.



Some people will not want to take their FAST Survey projects to GNSS Solutions. One of the tools that comes with GNSS Solutions is SurvCom. It is described in appendix H of the GNSS Solutions Reference Manual. SurvCom will make the connection to the ProMark3 much as described in the instructions that begin on page 169 in the ProMark3 RTK Reference Manual. Pay particular attention to the port illustrated in the screen shot in the manual and remember the port number that the Download program uses to make the connection to the ProMark3.

The next two photos illustrate the first step on page 169. The ProMark3 is set to use USB (COM6).

Data Transfer
SurvCom Transfer
Kermit Transfer
COM Port: USB (COM6)





Start the SurvCom program from the Windows Start menu.

	VIII Games	\sim
CNSS Solutions	GNSS Solutions	🕨 🖬 Tools 🔹 🕨 🌇 Download
	🛅 GPS-Photo Link	🕨 🌒 GNSS Solutions 🛛 🚮 DSNP to RINEX
ArcPad 7.0.1 for Win	m HP	WS_FTP Home Geoids
1 E	intellisync for Yahoo!	Yahoo!
MobileMapper Office	m InterVideo WinDVD	Yahoo! Messenger Mission Planning
	InterVideo WinDVD Creator	🕅 Zone.com Deluxe G 🕠 Project Management
All Programs 🜔	iTunes	Adobe Photoshop A RINEX Converter
	🛅 Just Checking	Adobe Reader 7.0
	m Kodak	(Apple Software Upd WinComm
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Remember the USB port number from Download? Use it now to select the corresponding COM port number in SurvCom. On my computer download uses USB8 and SurvCom uses COM8.

😻 SurvCom v1.25			
Local PC Total Files: 11	F	temote otal Files: 16	
Bytes: 152453 Bytes Free: 21076M Local Path: C:s\Promark3\	V B Options	vtes: 80056K.	
Name	COM Port		Size Modified A
Cut sheet.pdf	Directory Sort	08/24/07 16:04	
PS01.FCL SCIaraSCP 07SEP	Display Special Files		08/24/07 16:04
SCIaraSCP 07SEP	Confirm Overwrite	YES	968 08/12/06 08:14
SClaraSCP.CRD	Baud Rate	115200	25K 08/30/07 12:55 42K 09/19/07 07:22
SClaraSCP.NOT	Protect Remote Files	YES	02K 10/03/07 12:18 24K 10/04/07 15:02 🔜
	Archive RW5 Files	NO	Dubau 0
File: "." Status: Connected to remote	ОК	Cancel	Bytes: U
Connect Transfer Set Pa	th Make dir Delete Renam	e Options Geoid F2	F conv Send Pnts Exit

Hel

That is, as long as I remember to use the same USB port for the connection.



With the FAST Survey project files selected on the ProMark3 just click the Transfer button to copy them to the PC folder selected in the left hand SurvCom window.

4	SurvCom v1.25							
22	– Local PC Total Files: 5 Bytes: 2665K Bytes Free: 21076M Local Path: C:\Project:	s\Example			Remote Total Files: 16 Bytes: 80056K Bytes Free: 888M Remote Path: \Sd card			
	Name	Size	Modified	File	Name	Size	Modified	^
	崔 (Up One Level)	10 EF	10/08/07 20:06	File	RJEANA07.276	1902K	10/03/07 12:18	
	BJEANA07.277	765K	10/08/07 20:06	277	BJEANA07.277	1524K	10/04/07 15:02	
	🖻 DJEANA07.277	140	10/08/07 20:06	277	RSLR1A07.238	3242K	08/25/07 20:12	
	🖻 EJEANA07.277	24510	10/08/07 20:06	277	SClaraSCP.CRD	1226	08/22/07 14:50	
	🖻 ION07.277	74	10/08/07 20:06	277	SClaraSCP.inf	1733	10/08/07 15:03	
	🖻 WJEANA07.277	1876K	10/08/07 20:06	277	SClaraSCP.sys	633	10/08/07 15:03	
	2004				SLR01.CRD	104	08/25/07 17:39	
					SLR01.inf	1738	08/25/07 17:45	-
					SLR01.REF	61	08/25/07 17:45	
					SLR01.RW5	449	08/25/07 17:45	
					SLR01.sys	634	08/25/07 17:40	~
	<			>	<]	>	
	File: *.* Tagged REMOTE Files: 5 Bytes: 2986 Status: Connected to remote machine							
	Connect Transfer	Set Path Ma	ake dir Delete	Rei	hame Options Geoid	F2F conv	Send Pnts Exi	k

After the files are transferred Exit from SurvCom on the PC and Close the File Transfer Utility on the ProMark3. Exit from FAST Survey and disconnect the USB cable to end the file transfer connection to the ProMark3.

Phil Stevenson October 8, 2007