CALIBRATION FILE TRANSFER

under Windows XP using Hyperterminal

Addendum to GDP user's manual

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INTRODUCTION

This addendum to the GDP user's manual contains a procedure for transferring calibration files to/from the GDP via Hyperterminal. The SENDACAL.exe program is not capable of performing this function under Windows XP due to the forced time slice it receives from the operating system during transmission. In addition SENDACAL is limited to only 2 serial ports. Both of these limitations are overcome by using HyperTerminal to transmit and/or receive GDP calibration files.

CONFIGURE A NEW CONNECTION FOR HYPERTEMINAL

The key to using Hyperterminal for GDP calibration file handling is to create a connection using the XON/XOFF protocol. Note that this is a different protocol (none) than is used to dump GDP .RAW files from the GDP. You will need to create this connection and save it under a different file name than the one used to collect GDP .RAW files.

Create a new connection by starting Hyperterminal and selecting the "New Connection" option under the File menu choice.

🐥 CalFile - HyperTerminal	
File Edit View Call Transf	er Help
New Connection	P
Open	
Save	
Save As	0.0
Daga Calur	0.0
Page Secup	0.0
Print	โก ดัด
Properties	0.0
Exit Alt+F4	24
416 247.5720	5 -234.7
426 247 7645	3 -235.9
102 011 1510	ก้ ก็วั่นไม่

Name your connection "CalFile" or even "SendACal" if you're feeling nostalgic.



Select the serial port you wish to use for your connection.

Connect To		? X		
🇞 CalFile				
Enter details for the phone number that you want to dial:				
<u>C</u> ountry/region:	United States (1)	-		
Ar <u>e</u> a code:	520			
Phone number:				
Connect using:	COM1	·		
	OK Cance	:		

Next set the communication properties for your chosen serial port. Cal files are transferred at the settings shown below. Note the selection of the Xon/Xoff protocol.

COM1 Properties		? X
Port Settings		
		1
<u>B</u> its per second:	9600	
<u>D</u> ata bits:	8	
<u>P</u> arity:	None	
<u>S</u> top bits:	1	
<u>F</u> low control:	Hardware	
	Hardware	
	None <u>R</u> estore Defaults	
	K Cancel App	y I

Next click the "ASCII Setup" button.

CalFile Properties	<u>?</u> ×		
Connect To Settings			
Function, arrow, and ctrl keys act as Terminal keys Windows keys			
Backspace key sends Ctrl+H C Del C Ctrl+H, Space, Ctrl+H			
Emulation:			
Auto detect Terminal Setup			
Telnet terminal ID: ANSI			
Backscroll buffer lines: 500			
Play sound when connecting or disconnecting			
Input Translation ASCII Setup			
OK Cano	el :		

...and make sure the "Echo typed characters locally" box is checked as well as the "Send line ends with line feeds" box.

ASCII Setup 🔋 🗙		
ASCII Sending		
Send line ends with line feeds		
Echo typed characters locally		
Line delay: 0 milliseconds.		
Character delay: 0 milliseconds.		
ASCII Receiving		
Append line feeds to incoming line ends		
Eorce incoming data to 7-bit ASCII		
✓ Wrap lines that exceed terminal width		
OK Cancel		

Save your connection definition using the "File|Save" menu choice.

TRANSFERRING A CALIBRATION FILE TO THE GDP

Connect the GDP to your desk or lap-top computer using the custom serial cable containing a GDP military connector on one end and a standard nine pin serial connector on the other. Set up the GDP software as described in the "Quick Start|Data Transfer To a Computer" section of the GDP user's manual. Once you have selected the calibration cache to be accessed, use menu option 3 to accept a new or updated cache from your computer.



On your desk or lap-top access your Hyperterminal connection. Select the "Transfer|Send Text File" option. **NOTE: you CANNOT use the "Send File" option to transfer a calibration file.** Select the calibration file you wish to transfer, and click the "Open" button. Note that Hyperterminal will apply the .TXT file mask automatically, so you will have to select the "All files (.*)" mask if you do not see the calibration file of interest.

Send Text File		<u>?</u> ×
Look in:	🔁 SENDACAL 💽 🕤 🥬 📂 🖽 -	
My Recent Documents Desktop My Documents My Computer	 ~\$IsWHyperTerm.doc ~WRL2395.tmp sendacal.obj sendacal.sbr AMTANT.123 SENDACALWIN.PDB ANTCAL32.ZRO ANTCAL5.123 ANTCALS.246 ANTCALS.CA_ antcals.txt CalsWHyperTerm2.doc CalsWHyperTerm.doc HACAL5.123 HACALS.246 SENDACAL SENDACAL.C 	
My Network Places	File name: AMTANT.123 • Open	
	Files of type: All files (*.*)	#/

Hyperterminal will begin transmission of your calibration file to the GDP. You should see each frequency block echoed on the GDP's screen as it is transmitted.

RECEIVE A CALIBRATION FILE FROM THE GDP

Connect the GDP to your desk or lap-top computer using the custom serial cable containing a GDP military connector on one end and a standard nine pin serial connector on the other. Set up the GDP software as described in the "Quick Start|Data Transfer To a Computer" section of the GDP user's manual. Select the calibration file to be accessed.

On your desk or lap-top computer, start Hyperterminal using your calibration file connection. Select the "Transfer|Capture Text" menu option. Select a calibration file to be overwritten or use a new name via the browse dialog.



On the GDP, select menu option 2 to "Output" the calibration file.