DATA DOWNLOAD FOR STATIC, RAPID STATIC, AND POST-PROCESSING KINEMATIC SURVEYS

1. To review available files from the Topcon GB-1000 receiver front panel
   From the main menu, go to 'File Information'
   Highlight 'Internal Memory' or 'External Memory' and press enter (ENT) to review data files

2. In order to download data using an Ethernet cable, the IP settings on both the receiver and your computer must be configured correctly.
   a. The receiver's IP settings should already be set. If they are not, you can change the settings through the front panel. Don't bother to go through these steps unless the connection between computer and receiver cannot be established.
      From the main menu, go to 'Port Setting', 'Ethernet', and 'IP Setting'
      Verify that the IP address (ADD) is 192.168.001.002
      Verify that the subnet mask (MASK) is 255.255.255.000
      To change these settings, select F1 (edit), type in the correct IP address and subnet mask, and hit F4 (set) when you're finished
      Press F4 (next) and verify that the gateway (GW) is 192.168.001.001
      Press ESC (escape) to return to the Ethernet menu
      Go to 'Telnet' and press F4 (next)
      Verify the password (PWD) is 'TOPCON'
      Press ESC (escape) or the menu key to return to the main menu
      Power cycle the receiver by holding down the green power button until the beeping stops. Turn the receiver back on.
   b. Change the network settings on your computer
      On a PC, go to Start → Settings → Network Connections
      Right-click on Local Area Connection and select 'Properties'
      In the window, scroll down to Internet Protocol (TCP/IP), highlight it, and click 'Properties'
      Enter the following:
         IP Address: 192.168.1.3
         Subnet Mask: 255.255.255.0
      Click 'OK'. The network settings on your laptop are now configured to communicate with the receiver.

Data Download Using PC-CDU (for data on internal memory only)
   This download method is reputed to be the fastest.
   If you do not have PC-CDU installed on your computer, do so now. On the 'Topcon GPS Software' CD, navigate to the folder PC-CDU Lite\PC-CDU\Installer. Copy and paste PC-CDU onto your computer. PC-CDU is also available on the web at http://www.topconpositioning.com
   Connect the computer to Port B of the Topcon GB-1000 receiver using the serial cable, or connect using the Ethernet cable.
   Open PCCDU.exe
   Select the appropriate port (COM1, COM3, ETHR, etc). For a serial connection (COM), select baud rate 115200. For an Ethernet (ETHR) connection, you will have to supply the receiver's IP address (192.168.1.2) and the password (TOPCON).
   Click 'Connect'
   Go to File → File Manager
   Go to the 'Download path' tab to select the destination of the downloaded files
   Go to the 'Download files' tab, highlight the files you want to download (hold down the shift key to select multiple files), and click 'Download'. You can also delete files from this menu by selecting files and clicking 'Delete.'
   When finished, select 'Exit'
   Go to File → Disconnect

Data Download Using FTP (for data on internal memory only)
Connect the receiver and computer via Ethernet cable
Open a command prompt or terminal window (on a PC, Start → Programs → Accessories), type:
- ftp 192.168.1.2
- Enter anything for the login; for the password, type 'TOPCON'
- prompt
- bin
- mget * (to download all files on receiver)
- bye
- exit

Files are generally downloaded to C:\Documents and Settings\user

Data Download Using Topcon Link (for data on internal memory only)
If you do not have Topcon Link installed on your computer, do so now
- Insert the 'Topcon Tools' CD
- If the setup menu does not load automatically, open the file Topcon_Tools_ver_504.exe
- Select Topcon Tools + Link Setup
- Follow the prompts to install the software
- An older version of Topcon Link is available on the 'Topcon GPS Software' CD

Connect the computer to Port B of the Topcon GB-1000 receiver using the serial cable or connect to the USB port using the USB cable
Open Topcon Link
Go to File → Import from Device
The following instructions apply to version 5.04, variations may exist for other versions
From the left dropdown menu, select 'Topcon Receiver' and 'GB1000'
Select the files (hold down the shift key to select multiple files)
In the right panel, select or create the folder in which to save the files
Click '>>' to download the file
Click 'Close' when you are finished downloading files

Data Download from the Compact Flash Card (for data on external memory only)
This method is very slow and isn't recommended for general use
Verify that the receiver is turned off
To turn off the receiver, hold down the green power button until the beeping stops
The power is off if, by pressing any button other than power, there is no beeping
Remove the compact flash card from the receiver, and using a compact flash card adaptor and an appropriate laptop computer, insert the adaptor into the laptop and copy and paste the files from the removable drive
To copy data from internal to external memory such that it can be downloaded from the compact flash card
- From the Topcon GB-1000 main menu, go to 'File Information'
- Select 'Internal Memory'
- Highlight the desired file and press F2 (copy) to transfer to external memory