

TOPCON RAPID STATIC SURVEY NOTES

CONFIGURATION

Configuration from the Topcon GB-1000 receiver front panel

If you suspect that the Topcon GB-1000 receiver might have been programmed with a *configuration script* (used sometimes with static surveys), you should reset the receiver settings. This is done with a NVRAM reset. After resetting the NVRAM, you need to conduct satellite reception for about 25 minutes to acquire almanac data, which is also lost during the reset. To reset the NVRAM:

- Turn on the receiver

- From the main menu, scroll down to 'NVRAM Reset'

- Press enter (ENT)

- Press F2 (yes) to reset

- When the reset is complete you will be taken back to the main menu

Press the green power button to turn on the receiver

Select 'Rapid Static'

If the screen reads 'Already Opened Close?' and you want to start a new survey, press F2 (yes)

Enter a station name (NAME) and the antenna height (HEIGHT) by highlighting each option and pressing F1 to edit

Press F4 (next)

Verify your sampling rate (INTVL), e.g. 15 seconds, and the antenna type (ANTENNA). The Topcon antenna is 'PG-A1'. Press F1 (chg) to make changes, scroll through options using F2 (-) and F3 (+), and press F4 (set) to make your selection.

Press F4 (next)

Verify the antenna height measuring method (METHOD), e.g. ARP (for vertical height) or Slant, and the elevation mask angle (EL. MASK), e.g. 10 degrees

Press F4 (strt) to start the survey

Press F2 (yes) to confirm start of survey and to log data to internal memory, or F4 (log) to log to external memory

Data logging has now begun

- During the survey, you can use the F# keys to view survey statistics, positioning coordinates, hardware options, etc.

When the survey is finished, press F4 (p) and F3 (end) to stop observation

Press F2 (yes) to confirm end of survey

See separate instructions for Data Downloading