

USING TOPCON GTS212/211d TOTAL STATIONS

A QUICK GUIDE FOR SET-OUT

Level instrument using plate bubble
Power on using green button
Turn horizontal/vertical axis

Press **(menu)**

Press **(F2) layout** – selecting setting out program

Select a file – to recall setting out data from

Choices are:

(F1) input a known file name or **(F2) list** to pick an existing file from list or
(F3) skip to skip file use and input information manually

ORIENTATING INSTRUMENT

PRESS (F1) OCCUPIED POINT

Choices are:

(F1) input a known point number in file or **(F2) list** to pick an existing point from file or **(F3) NEZ**
to manually input co-ords

Input instrument height if level is required

PRESS (F2) BACKSIGHT

Choices are:

(F1) input a known point number in file or **(F2) list** to pick an existing point from file or **(F3)**
NE/AZ to manually input co-ords, press **(F3) AZ** again to manually input backsight bearing

Sight backsight point

Press **(F3) yes**

SETTING OUT CO-ORDINATED POINTS

PRESS (F3) LAYOUT

Choices are:

(F1) input a known point number in file or **(F2) list** to pick an existing point from file or **(F3) NEZ**
to manually input co-ords

Confirm co-ord info from file with **(F3) yes** if correct

Input reflector height if level is required

Instrument now displays calculated bearing & distance

Press **(F1) angle**

Turn instrument so that **DHR** display indicates 00'00'00

You are now on the correct bearing

Press **(F1) distance**

Instrument will now display in track mode distance to move prism back or forward to set-out point

Distance is displayed to 10mm

Press **(F1) mode** to change distance display to 1mm reading

When finished setting out/ marking this point press **(F4) next** and repeat as from # above