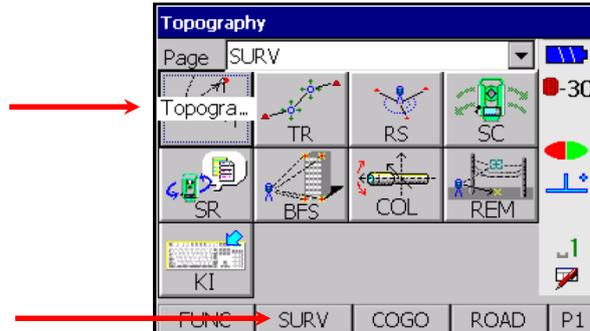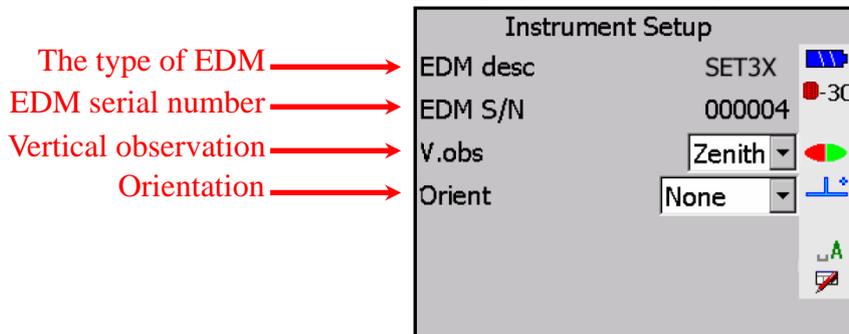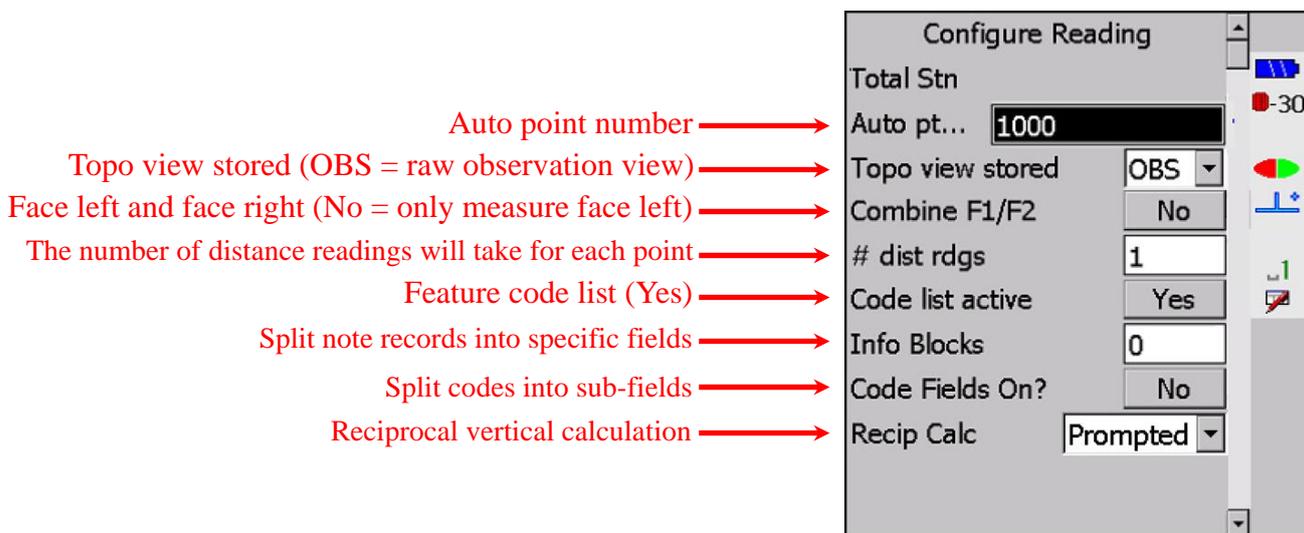# SOKKIA - SETX

Topography Observation

1. Press **PROGRAM**.

2. Create a new job or select an existing job at **JOB**.

3. Select **Topography (TOPO)** from the **SURVEY (SURV)** menu.

4. The *Instrument Setup* displays the following information:

The type of EDM ⟶ EDM desc

EDM serial number ⟶ EDM S/N

Vertical observation ⟶ V.obs

Orientation ⟶ Orient

5. Set observation parameters, then press **FUNC CTRL** and **ENTER**.

Auto point number ⟶ Auto pt...

Topo view stored (OBS = raw observation view) ⟶ Topo view stored

Face left and face right (No = only measure face left) ⟶ Combine F1/F2

The number of distance readings will take for each point ⟶ # dist rdgs

Feature code list (Yes) ⟶ Code list active

Split note records into specific fields ⟶ Info Blocks

Split codes into sub-fields ⟶ Code Fields On?

Reciprocal vertical calculation ⟶ Recip Calc

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6. Input data to set up a station, and press **ENTER**.

Station name →
Northing →
Easting →
Height →
Instrument height →
Code →

Stn	
N	`<Null>`
E	`<Null>`
El	`<Null>`
Theo ht	`<Null>`
Cd	`<No text>`

7. At *Confirm orientation*, enter the backsight point name in the BS pt field, then press **FUNC CTRL** and **ENTER**.

Confirm orientation

Stn	0001
BS pt	
H.obs	110°11'36"
V.obs	90°06'30"

8. Enter coordinates or azimuth to set up backsight point.
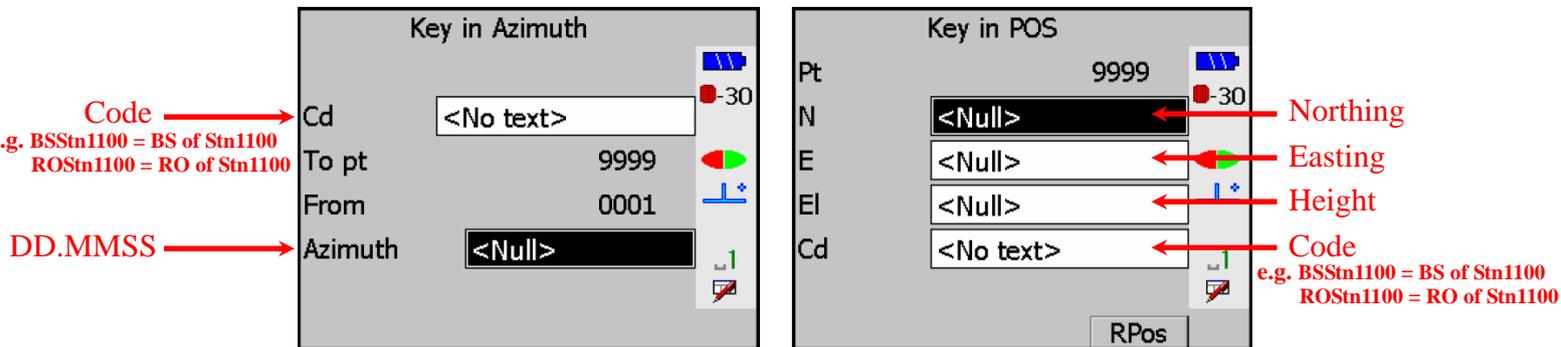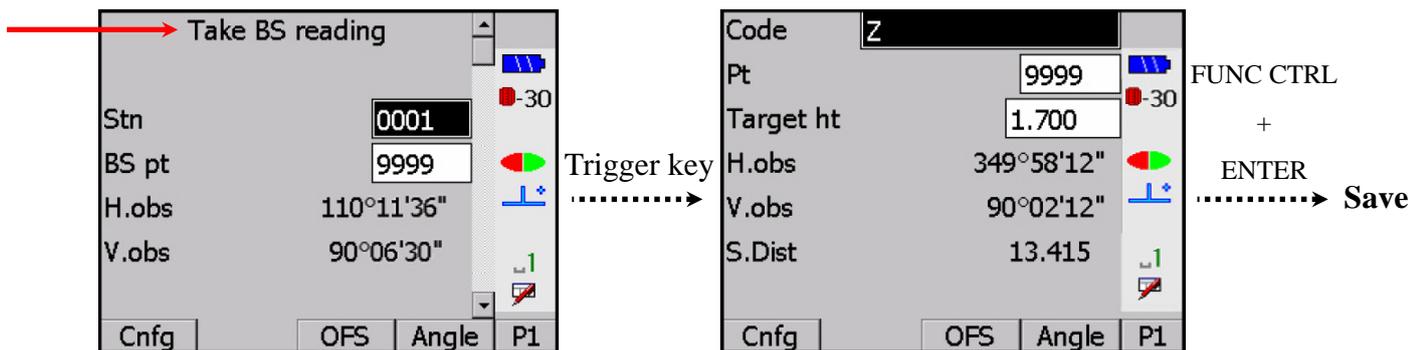
Azimuth
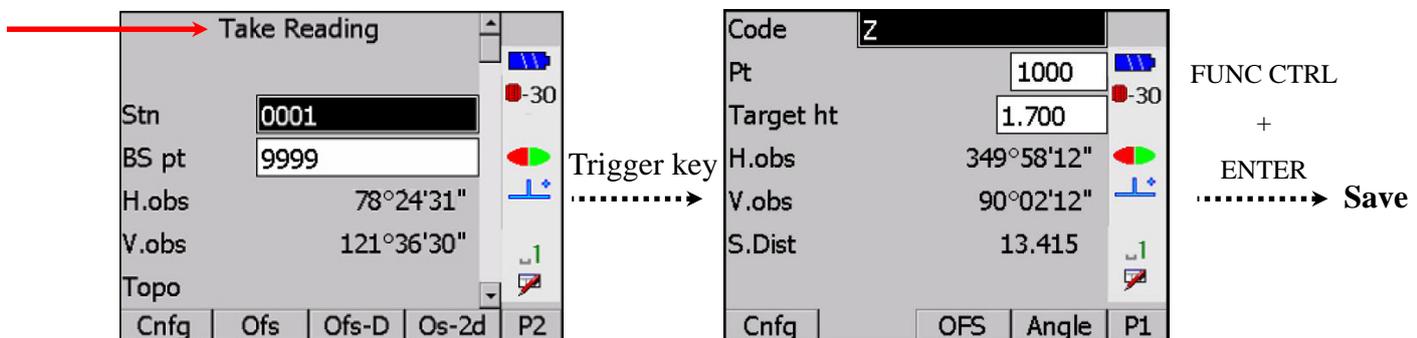Coordinates

BS azimuth not found

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- For entering azimuth, enter the azimuth by DD.MMSS, then press **ENTER**.
- For entering the coordinates, after enter the coordinates of the backsight press **ENTER**.

Code
e.g. BSStn1100 = BS of Stn1100
ROStn1100 = RO of Stn1100

DD.MMSS

Northing
Easting
Height
Code
e.g. BSStn1100 = BS of Stn1100
ROStn1100 = RO of Stn1100

9. At *Tale BS reading*, press **Trigger key** (blue button on the right hand side of instrument) to get reading and save the reading by press **FUNC CTRL** and **ENTER**. The SETX will display "Input accepted" and returns to the *Take Reading*.
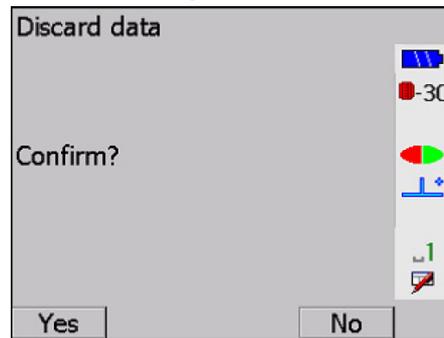
Trigger key

FUNC CTRL
+
ENTER
Save

10. At *Tale reading*, press **Trigger key** to do measurement, then save data by press **FUNC CTRL** and **ENTER**.

Trigger key

FUNC CTRL
+
ENTER
Save

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- If a reading was not satisfying your requirement, press **ESC** then select **Yes (F1)** to return to *Take Reading*.

** **FUNC CTRL + +/-:** Graphic view of the observation

** **FUNC CTRL + 0:** Details of observed data