

Basic Instrument Set-Up in MAGNET Field: DS and PS

Before undertaking an instrument set-up, confirm it is stable, levelled and powered on.

Ensure the instrument and controller are **connected** via LongLINK Bluetooth and the **correct Job** and **Configuration** are selected.



In all cases be sure to enter the **Instrument Height** each time.

The Backsight can be set by **Azimuth** or by **Point name**. Press the rectangular button to select either method.

Next >>

Ensure that the **Height** of the **Backsight Point** is entered.



Fixed Height



TOPCON quick guide



(4)

If setting up over a **New** point, this message will be displayed.

Press Close.

(5)

Enter the new Occupation Point name and associated Coordinate values.

Press the Green Tick at the top right of the screen.

Add Point		
int Layer Pho	.0	
Point	STN 1	ntrol Point
Code		
Code		Note
Code Local(m) East	▼	Note
Local(m) East North	▼ 1000.000 2000.000	Note

Backsight			EDM 🔚 🦘	
) 🗟 🖸 🎯 🖓 🐱				
	-			
Occ	SIN 1	1.650 m		
BS		0.000 m		
Azimuth	0°00'00"			
Set Circle to	0°00'00"		C To BS	
HA 184°52'41", \	/A 72°15'37'			
🇹 Meas Distance		🤯 Check	Set	

(6)

Sight instrument to the proposed Backsight target and press Set.



Press Yes to store the measured Backsight point.







TOPCON quick guide

Store Point As	5		🔨 🔀
Point Layer Phot	CO		
Point	BS]	
Code			
Local(m)——		Note	
East	1000.000		.es.
North	2001.680		
Elevation	52.187		

(8)

Enter the new Backsight Point name and press the Green Tick at the top right to store the coordinate data.

(9)

Backsight data is then displayed for review.

Press the Home button at the top right to return to the main MAGNET screen.

Back	ksight		EDM 📰 🥎
	Occupation Point	 t STN 1 1.650 m	
	Backsight Point	BS 0.000 m	
	Azimuth	0°00'00"	
	HR	0.000 m	
	НА	0°00'00"	
	VA	72°15'37"	
_	SD	1.764 m	
	Target Type	Non-Prism	



(10)

From here continue into the Survey or Stake menus and work as required.

