



STONEX R80
Motorized Total Station
Quick guide



Welcome interface

Switching on the R80, you will see the interface on the right. Click on:

- **BSC measure** to check performance functionality and manage some parameters;
- **About** to check the software version;
- **INST Setup** to manage the settings;
- **Exit**.



Basic Measure

In the Basic Measure interface you can visualize angles, distances or coordinates.

In the top right corner, current settings are shown.

Select **Param** to manage the units.



Basic Mea--Angle Mea

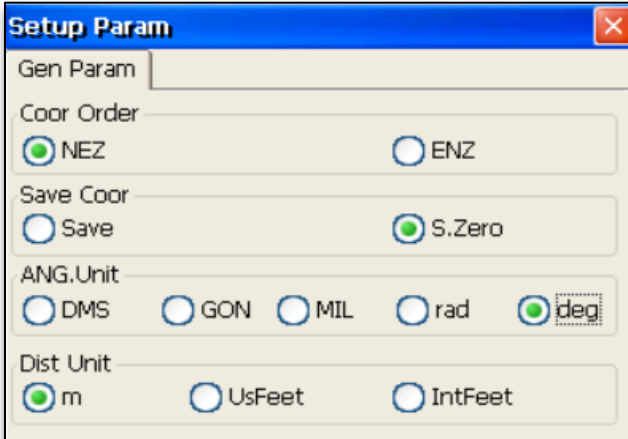
VA(V):	280.37482	PPM:	4.9
HA(HL):	358.07662	PSM:	0.0
		Dist Unit:	m
		M.Mode:	N Fine
		Tilt Status:	XYOFF

M.Ang M.Dist

M.Coor Param

S.Zero	S.Angle	L.Angle
Repeat	V/%	L/R Angle

Stop Exit



Setup Param

Gen Param

Coor Order

NEZ ENZ

Save Coor

Save S.Zero

ANG.Unit

DMS GON MIL rad deg

Dist Unit

m UsFeet IntFeet

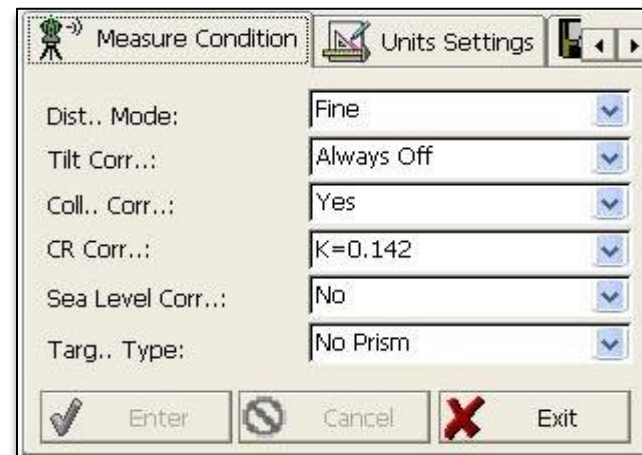
Instrument setup

In the INSTset interface you can manage settings of your Total Station.

To access them, enter the password:

12345678

After selecting the option, in each page, press [Enter] to keep the setting or press [Cancel].



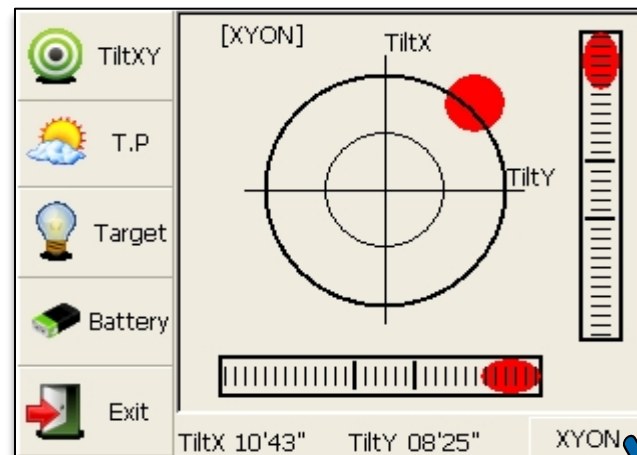
Setting	Value
Dist.. Mode:	Fine
Tilt Corr..:	Always Off
Coll.. Corr..:	Yes
CR Corr..:	K=0.142
Sea Level Corr..:	No
Targ.. Type:	No Prism

Buttons: Enter, Cancel, Exit

Star settings

TiltXY

Press the [*] key to check the electronic bubble and to manage the compensator.








Star settings

Target

Press the [*] key and click on **Target**.

Here you can manage the target type, the laser pointer and activate the Auto aim & Lock.

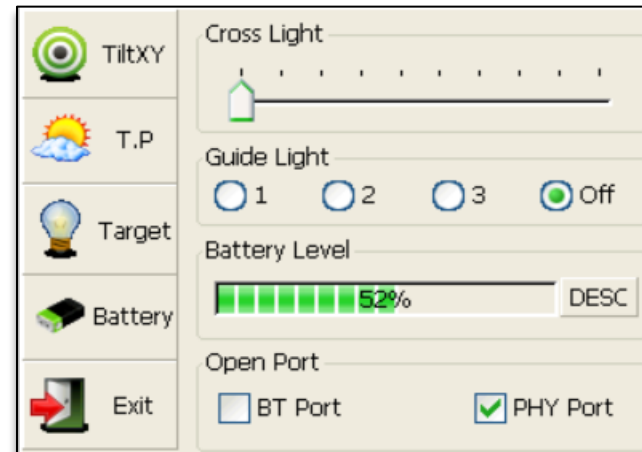
 TiltXY	Target Type <input type="radio"/> No Prism <input type="radio"/> Reflector <input checked="" type="radio"/> Prism <input type="radio"/> Remote Prism
 T.P	Laser Brightness <input type="text"/> On
 Target	<input type="checkbox"/> LOW_PWR AIM <input checked="" type="checkbox"/> TIP_SOUND Auto Aim ▾ Out F ▾
 Battery	Laser Plummet Laser Point <input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> On <input checked="" type="radio"/> Off <input type="radio"/> 3 <input type="radio"/> Off
 Exit	<input type="button" value="Set"/> <input type="button" value="ADV MD"/>

Star settings

Battery


Press the [*] key and click on ***Battery***.

Here you can manage the reticle and guide light illumination and switch on/off the Bluetooth.



Shortcut keys

Look at the combinations on the right to manage some settings on the Total Station.

Key combination	Description
	Power on
★	Enter the setting mode directly/Turn on the electronic bubble
α	Shift among number, small letter and capital letter
FUNC+B.S	Turn on/off backlight of key panel in face left position
FUNC+F6	Turn on/off backlight of key panel in face right position
F7+F6	Start touch screen calibration
FUNC+F7	Turn on/off soft keyboards
FUNC+▲	Increase backlight brightness of LCD
FUNC+▼	Decrease backlight brightness of LCD
FUNC+◀	Turn on/off LCD display in face left position
FUNC+▶	Turn on/off LCD display in face right position
F6	If Prism is set as target type, it activates the prism search.

Touch screen calibration

Press the [F7]+[F6] keys
(F7 firstly, then F6).

Carefully press and briefly
hold stylus on the center
of the target. Repeat as
the target moves around
the screen. After all the
targets are clicked, the
screen will display as left,
tap the screen to register
saved data.

Carefully press and briefly hold stylus on the center of the target.
Repeat as the target moves around the screen.
Press the Esc key to cancel.



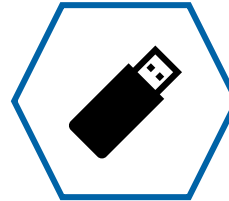
New calibration settings have been measured.
Tap the screen to register saved data.
or 30 seconds to cancel saved data and keep the current settings.

Time limit : 8 sec

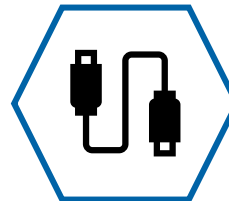
Communication

The communication modes available on the Total Station are listed on the right.

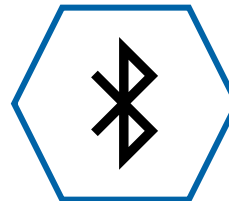
About Bluetooth, make sure you have enabled it in the Star settings.



USB dongle



USB-mini USB cable



Bluetooth

Password: 1234 or 0000



STONEX® SRL

Via dell'Industria, 53 - 20037 Paderno Dugnano (MI)

Tel : +390278619201 | Fax :+ 390278610299

www.stonex.it | info@stonex.it