Scan&Go Drive SferaZERO

Configuration of use with
LEICA LASER SCANNER SERIE P, C10

Configuration of use with
LEICA LASER SCANNER BLK360

Configuration of use with
FARO LASER SCANNER

Scan&Go DRIVE SferaZERO is a
"STOP & GO" system for topographic survey
using 3D Laser Scanner combined with GNSS receivers

Scan&Go Drive can be installed on any type of vehicle. It was born from the necessity to make the use of 3D laser scanners more productive and performing during topographic activity and land surveys.

<u>The Scan&Go DRIVE SferaZERO is composed of:</u>

- 1 Level Plane 16 Radio, Automatic leveler *(not dynamic)*
- 1 Magnetic Level Bracket
- 1 Orientation target SferaZERO

(GNSS receivers and 3D Laser Scanner not included)

<u>Simple configuration:</u>

Install the 3D Laser Scanner with GNSS receiver on the top of the Level Plane 16 Radio.

Place another GNSS receiver with the target SferaZERO on the top of Magnetic Level Bracket for the orientation of the scanning.

While the Laser Scanner is scanning, the receivers get the measurements that will be elaborated later, and provide the geographical and local coordinates of the Laser Scanner and the target; this will allow the operator to obtain a tridimentional reference system with a topographic precision.

<u>Benefits:</u>

⇒ Higher laser scanner measuring range
⇒ Fast and easy mobility
⇒ Unnecessary common targets
⇒ Only one operator
⇒ Quicker surveying phase
⇒ Not relevant external environment
⇒ Reduced time of restitution of the scans
⇒ Excellent precision in positioning the scans

Scan&Go Drive SferaZERO

Part number SGD-SZ

SCAN&GO DRIVE SFERAZERO

Composed of

LP16R	Level-Plane 16 with accessories
UCR16	LP16 Controller
SZ	SferaZERO with accessories
MLB	Magnetic Level Bracket
TLA	Frame for LP16
BMT	Soft Bag for Level Plane 16
BMA	Soft Bag for accesories

The "STOP & GO" system for topographic survey with Laser Scanner 3D and GNSS receivers includes:

- Level-Plane 16, is a system planned for authomatic leveling *(not dynamic)* to ensure total verticality of the equipment with an accuracy of +/- 30" (or +/-3" with manual control) in all vehicle inclination conditions.
- Magnetic level Bracket, used for positioning of the SferaZERO (reference target)
- SferaZERO, Spherical reference target. The SferaZERO center coincides with the GNSS receiver phase center (or differs by a few millimeters)

(GNSS receiver not included)

Scan&Go Drive SferaZERO for Leica BLK360

Part number SGD-BLK

SCAN&GO DRIVE SFERAZERO FOR LEICA BLK360

Composed of

LP16	Level-Plane 16 with accessories
UCR16	LP16 Controller
SZ	SferaZERO with accessories
MLB	Magnetic Level Bracket
TLA	Frame for LP16
BLK-GNSS	BLK and GNSS Adapter
BMT	Soft Bag for Level Plane 16
BMA	Soft Bag for accesories

The "STOP & GO" system for topographic survey with Laser Scanner 3D and GNSS receivers includes:

- Level-Plane 16, is a system planned for authomatic leveling *(not dynamic)* to ensure total verticality of the equipment with an accuracy of +/- 30" (or +/-3" with manual control) in all vehicle inclination conditions.
- Magnetic level Bracket, used for positioning of the SferaZERO (reference target)
- SferaZERO, Spherical reference target. The SferaZERO center coincides with the GNSS receiver phase center (or differs by a few millimeters)
- BLK and GNSS Adapter, is a support designed to surmount the LP16 with Leica BLK360 and GNSS receiver

(GNSS receiver not included)