



RADIO Control

DATA SHEET

September 2022

FC CE
IC

LEVEL-PLANE 21

www.scan-go.eu

SCAN&GO srl

Via della Tecnica 34 A/B - 41051
Castelnuovo Rangone (MO) - Italy
Cell. +39 3924627285
info@scan-go.eu

Static multi-axis leveling platform for 3D Laser Scanner or Robotic Total Stations



Level-Plane 21 Radio is a static multi-axis platform created for automatic leveling to ensure total verticality of the equipment with accuracy of +/- 15" (or +/-3" with manual control) in all vehicle inclination conditions.

The structure is made of anodized aluminum, externally with a PVC cover to protect the mechanical and electrical parts from severe weather conditions and dust, removable to ensure internal inspections

The top is made of anodized aluminium, specially designed for topographic tribrach with standard 5/8".

Powered by cable connection to the car-lighter-12 V - 5 A. (it's also possible to use autonomous power source, with 12V battery available as accessory)

The Leveler is equipped with Radio controller, backlit display and keyboard, made of shockproof material resistant to dust and moisture - IP66.

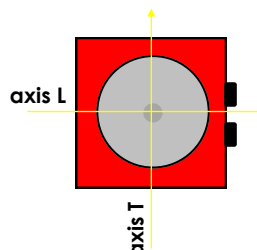
The Radio Controller operation range is about **50 meters**.

The Radio module complies to the standard regulation CE, FCC, IC and TELEC

Level-Plane 16 R is made for mounting on vehicle roof bars or tripod.

TECHNICAL DATA

• Accuracy with manual leveling	+/- 3"
• Accuracy with automatic leveling	+/- 15"
• Weight	7 kg
• Maximum load	35 kg
• External dimensions	25x25x h 20 cm
• Temperature limit during the use of the equipment	- 30° C + 55° C
• Storage temperature limit	- 45° C + 70° C
• Power supply	12V
• Protection class	IP66
• Maximum operating limit shooting ground slope along the longitudinal axis of the vehicle - AXIS L	+/- 19°
• Maximum operating limit shooting ground slope along the perpendicular axis of the vehicle - AXIS T	+/- 24°



Level - Plane 21 Radio Version

Level-Plane 21R is designed for mounting on the roof bars of vehicles, on a survey tripod or our lifting systems. The lower part is equipped with a 5/8" female connection for installation on topographic tripod.



Simply press a button, the system proceeds automatically reaching the horizontal position on both axes.



BEFORE

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