

Level-Plane 16 Radio Arctic



Level-Plane 16 Radio

**LEVEL-PLANE 16R**

[www.scan-go.eu](http://www.scan-go.eu)

**DATA SHEET**

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## Static multi-axis leveling platform with Radio and cable control for 3D Laser Scanner or Robotic Total Stations



**Level-Plane 16 is a static multi-axis platform created for automatic (non dynamic) leveling to ensure total verticality of the equipment with accuracy of +/- 30" (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 - IP65.

The top is made of stainless steel, 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 - IP65.

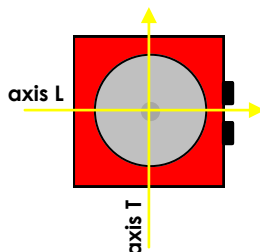
The Radio Controller operation range is about **50 meters**, it's also possible a standard connection by cable.

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

Level-Plane 16 R is studied for mounting on vehicle roof bars.

### TECHNICAL DATA

- Accuracy with manual leveling +/- 3"
- Accuracy with automatic leveling +/- 30"
- Weight 8 kg
- Maximum load 25 kg
- External dimensions 30x30xh 30 cm
- Temperature limit during the use of the equipment - 15° C + 40° C
- Storage temperature limit ARCTIC VERSION - 40° C + 50° C
- - 30° C + 50° C
- ARCTIC VERSION - 50° C + 60° C
- Power supply 12V
- Maximum operating limit shooting ground slope along the longitudinal axis of the vehicle - AXIS L +/- 15°
- Maximum operating limit shooting ground slope along the perpendicular axis of the vehicle - AXIS T +/- 22°



## POWER SUPPLY AND CONTROL SYSTEM

The power source of the platform is supplied by a cable connected to the vehicle "car lighter" -12 V - 5 A vehicle. It's also possible to use autonomously power source with 12V battery, available as accessory.



The Leveler is equipped with a Radio controller and mounting kit.

The display shows with a numerical hundredths degrees the inclination of the platform on both longitudinal and transversal axes.



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



BEFORE

AFTER

Once leveled the Level-Plane 16R remains firm in the same position till you press the button again before next scan session.

# Configurations

## Level - Plane 16 Radio (Radio and Cable controller)

### Static multi-axis leveling platform with radio and cable control for Laser Scanner or Robotic Total Stations

#### Composed of

|       |  |
|-------|--|
| LP16R | Level-Plane 16 Radio                           |
| UCR16 | LP16 Radio Controller                          |
| CUC   | Cable for Controller UCR16                     |
| BUC   | Battery charger for Controller UCR16           |
| STA   | Roof bar brackets                              |
| CPC   | Power Cable with connection to the car-lighter |
| BMT   | Soft bag for Level-Plane 16R                   |
| BMA   | Soft Bag for accessories                       |
| TRL   | Trilock - Topographic tribach                  |

- Temperature limit during the use of the equipment - 15° C + 40° C
- Storage temperature limit - 30° C + 50° C



## Level - Plane 16 Radio - ARCTIC (version)

### Static multi-axis leveling platform with radio and cable control for Laser Scanner or Robotic Total Stations - low/high temperatures

#### Composed of

|         |  |
|---------|--|
| LP16R-A | Level-Plane 16 Radio Arctic                    |
| UCR16   | LP16 Radio Controller                          |
| CUC     | Cable for Controller UCR16                     |
| BUC     | Battery charger for Controller UCR16           |
| STA     | Roof bar brackets                              |
| CPC     | Power Cable with connection to the car-lighter |
| BMT     | Soft bag for Level-Plane 16R Arctic            |
| BMA     | Soft Bag for accessories                       |
| TRL     | Trilock - Topographic tribach                  |

Level-Plane 16 Radio Arctic is designed to be used at very low/high temperatures.

- Temperature limit during the use of the equipment -40° C + 50° C
- Storage temperature limit - 50° C + 60° C



**Level-Plane 16R  
can be used with any 3D  
Laser Scanner brand !**