

# Level-Plane 16

## Static multi-axis leveling platform with Radio or Bluetooth 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  $\pm 30''$  (or  $\pm 3''$  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.

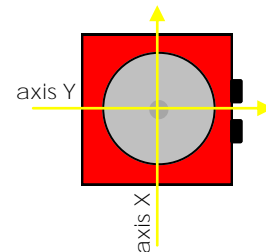
The Radio Controller operation range is about 50 meters, it's also possible a standard connection by cable.

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

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

### TECHNICAL DATA

• Accuracy with manual leveling	$\pm 3''$
• Accuracy with automatic leveling	$\pm 30''$
• Weight	11 kg
• Maximum load	35 kg
• External dimensions	30x30xh 30 cm
• Power supply	12V
• Maximum operating limit shooting ground slope along the longitudinal axis of the vehicle - AXIS Y	$\pm 15^\circ$
• Maximum operating limit shooting ground slope along the perpendicular axis of the vehicle - AXIS X	$\pm 22^\circ$



## Level-Plane 16 Bluetooth

Part number LP16B

(Bluetooth and Cable Control)

LEVEL-PLANE 16 Bluetooth

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

### Composed of

LP16B	Level-Plane 16 Bluetooth
UC16	LP16 cable Controller
CUC	Cable for Controller UC 16
USB	USB Flash Drive with Android App
STA	Roof bar brackets
CPC	Power Cable with connection to the car-lighter
TRL	Trilock - Topographic tribrach
BMT	Soft bag for Level-Plane 16
BMA	Soft Bag for accessories



- Temperature limit during the use of the equipment -  $15^\circ \text{ C}$  +  $50^\circ \text{ C}$
- Storage temperature limit -  $30^\circ \text{ C}$  +  $50^\circ \text{ C}$

# Level-Plane 16 RADIO

**Part number LP16R**

*(Radio and Cable Controller)*

## LEVEL-PLANE 16 RADIO

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

### Composed of

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

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



# Level-Plane 16 RADIO - ARCTIC version

**Part number LP16R-A**

*(Radio and Cable Controller)*

## LEVEL-PLANE 16 RADIO ARCTIC

Static multi-axis leveling platform with radio and cable controller for Laser Scanner or Robotic Total Stations for low temperatures

### Composed of

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

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 + 50° C

