



CE
LEVEL-LIFT ROOF EVO

www.scan-go.eu

Made in Italy



USE AND MAINTENANCE HANDBOOK

January 2018

SCAN&GO srl
Via della Tecnica 34 A/B - 41051
Castelnuovo Rangone (MO) - Italy
Telefono +39 059798545
info@scan-go.eu

Lifting extensible system for vehicle roof

Level-Lift Roof Evo is conceived in order to take advantage to the Level-Plane EVO for land surveying, infrastructures, architectural and structural reliefs.

It's composed of 4 pneumatic extensible segment (max 3.00 m height), a support plate for Level-Plane EVO and a frame that allows the mounting on the vehicle roof rack.

The solid structure of the aluminum frame, holding the pole and its components. It's adaptable to any vehicle.



WARNING!!!!

**READ CAREFULLY THE PRESENT INSTRUCTION
MANUAL BEFORE USING THE EQUIPMENT**

**IT IS STRICTLY FORBIDDEN THE USE OF THE
EQUIPMENT BY PEOPLE AGED LESS THAN 18**



MOUNTING AND USE INSTRUCTIONS

The Level-Lift Roof Evo is shipped in a wooden box, designed to safeguard the integrity during the transport.



1° STEP

Open the box removing the hooks as well as the screws that keep the cover closed. Remove, the screws that keep the equipment blocked inside the box, and extract the pole .

Measure the distance between the vehicles's rack bars (A) and modify the interaxis distance of the supports for fixing the frame to the vehicle's bars.

Instal the pole on the vehicle's bars fixing the frame to the joints (B).



(A)



(B)



CONTROL UNIT



COMANDS FOR:

1	UNLOCKING THE PUSH-BUTTON PANEL + MAKING THE POLE RISE
2	POSITIONING THE COLUMN WHEN "STILL"
3	ACTIVATING THE PNEUMATIC DISCENT OF THE
4	LIGHT FOR CONTROLLING THAT THE COMAND IMPULSE HAS BEEN GIVEN
5	IMMEDIATELY STOPPING THE "STILL" POSITION
6	UNLOCKING THE BOTTON-PUSH PANEL
7	CHECKING THE BATTERY CHARGE
8	LIGHT FOR CONTROLLING THE POWER SOURCE

HOW TO USE THE CONTROL UNIT

To avoid the accidental activation of the pole as well as to make it functioning, it is necessary to activate the push-button panel, that is normally locked.

To activate it, PRESS THE GREEN BUTTONS 1 and 6 AT THE SAME TIME.

The light of the button n. 4 gets lighted when any button is pushed.

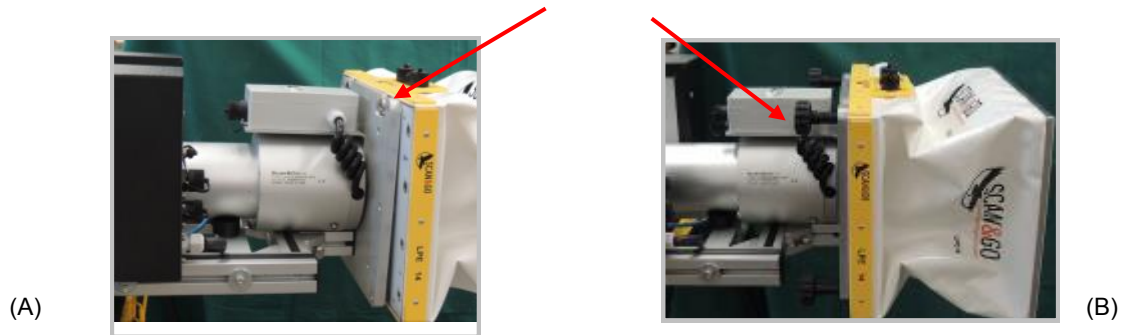
If the light gets illuminated it indicates that the input of the command has been received.

The light of the button n. 8 gets illuminated only if the battery charge check, that you can do by pressing botton n.7, is positive.

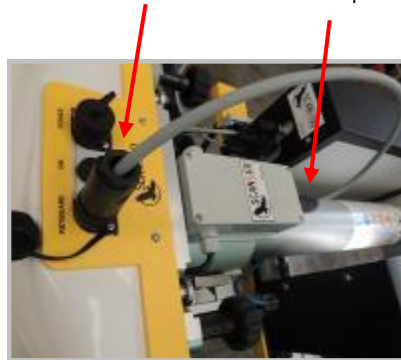
2° STEP

Proceed with the installation of the leveler on the top of the pole like (A). Make the two pivots lay inside the holes of the plate.

Fix the leveller Level-Plane Evo using the knobs provided. (B) .



Connect the power and control cable to the leveller and to the pole.



Connect the LLR controller to the appropriate connector (1).

Proceed in the same way for the power cable (2) and the controller of the leveller (3).



- | | |
|----------|-------------------|
| 1 | LLR CONTROLLER |
| 2 | POLE POWER SOURCE |
| 3 | LPE CONTROLLER |

Connect the power source cable to a vehicle's socie with at least 16A (180W) of power and 12V. It is highly recommended not to use a cigar lighter as it is usually protected by a 5A fuse.



Check that the emergency button is not activated, unlock the pole punching the two opposite buttons on the panel at the same time. You will see them linked by a green line on the panel, with the symbol of a lock (A).

RISING OF THE POLE

To rise the pole press the green button on the upper-left corner (B).

(A)



(B)



For rising the first vertical extension © it will be involved only the electrical source. For rising also the other extensions keep the green button pushed to activate the inner compressor.

As long as the green button is kept pressed, the extensions will be risen until the maximum reachable heigh.



(C)



3° STEP

Now it is possible to activate the automatic levelling with the Level-Plane Evo.

By pushing the button 0° on the screen of the control unit it will appear the lettering AUTOMATIC LEVELLING that will disappear once the levelled position has been reached. (see Level-Plane Evo's manual)



4° STEP

HOW TO CLOSE THE EQUIPMENT

Once the measuring procedure is terminated close the extensions keeping the first one open and press the button as in the image below.



For the complete closure of the pole, press the yellow button.



DURING THIS PROCEDURE BE
VERY CAREFUL.
AVOID OBJECTS TO INTERJECT BETWEEN THE POLE AND THE
FRAME BELOW

REQUIREMENTS FOR SAFE USE

Extensible pole Level-Lift Roof is delivered tested and ready for use.

Regarding the Use and Maintenance instructions please refer to the separate manual issued by the Manufacturer of the extensible pole that is delivered together with this.

To ensure optimal operation of the inside air compressor during the lifting of the extensions is suggested, secured the immovability of the vehicle by activating the parking brake to keep the vehicle engine running until you reach the desired elevation, off the engine may proceed with the automatic leveling.

Never activate the extensible pole with the vehicle in motion and without making sure the parking brake is engaged.

While road driving all the tools installed on the platform Level-Plane Evo will be removed from the platform.

The movement with the mounted instruments may be used only with the pole in a vertical position without any opened extension for short trips, on the job sites, with speeds less than 5 km / hour, avoiding pitching, vibrations, excessive inclination.

The bars of the vehicle on which the mechanism is installed must have an adequate payload (min. 50 Kg) and must be properly installed according to the manufacturer's instructions.

Periodically check that all bolts are properly tightened.

The manufacturer is not liable for:

- ⇒ improper use of the mechanism;
- ⇒ damage produced in the platform or on the supporting bars due to road march;
- ⇒ product modifications or alterations unauthorized;
- ⇒ non-compliance with safety regulations, and other applicable according to the specific use of the product (for example regulations on transport for moving the platform mounted on the vehicle's roof from one site to another);
- ⇒ total or partial non-observance of the instructions and or lack of maintenance;
- ⇒ use of non-original or non-specific spare parts for the model;
- ⇒ extraordinary environmental events.

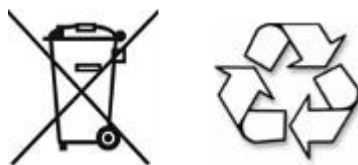
Is not allowed the use of the platform in a different installer mode from the delivery original configuration and for other different manufacturing than those provided by the manufacturer.

Is not allowed the use in presence of functional abnormalities and in conflict with the rules of use and safety instructions described in this manual. In the case request and wait for the intervention of the designated personnel.

- The instructions, drawings and documentation contained in this document are of confidential technical nature, of property of the manufacturer and may not be reproduced in any manner, either wholly, or in part.
- The manufacturer reserves the right to make changes and improvements at any time, without any modification to this manual, and without prior notice.
- This document must be kept for future reference, until the scrapping of the machine and must be made available to the operators.
- If the unit is sold or leased, both the person who rents and the one who offers the service, is obliged to give the manual to the new owner or user.
- The original instructions are provided by the manufacturer in the Italian language.
- This document assumes that in the places where the equipment is sold, users respect the safety standards in force in the country.
- If the manual is lost or damaged, you can request a copy to the dealer, providing the data of the model, serial number and year of construction.
- Do not use the manual for any purpose other than the use and maintenance of the product.

CLEANING INSTRUCTIONS

- Clean with mild soap and water, do not use chemical cleaners.
- Do not lubricate with grease or oil of any kind.



INSTRUCTIONS FOR DEMOLITION

The demolition of the machine must be done by qualified personnel in such activities and provided with adequate expertise.

The disassembled components must be separated according to the nature of the materials they are made in compliance with the laws in force of "separate waste collection and disposal".

In reference to the European Directives WEEE (waste electrical and electronic equipment) the electrical and electronic components, marked with symbol must be disposed of in special authorized collection centers or returned, installed on the machine, to the retailer when a new purchase.

Electrical and electronic equipment waste may contain substances that may pollute the environment and the people for whom it is recommended to dispose of them properly.

The illegal disposal of electrical and electronic components shall be punished with sanctions by the laws in force in the territory in which it is found that infringement.

WARRANTY

- The product warranty is of 12 months from the date of the delivery (Invoice Date).
- SCAN & GO S.r.l. will support, at its discretion, the repairment and / or replacement of parts with manufacturing defects or damages during the warranty period, after having evaluated the failure.
- The shipping cost of the damaged/defective parts during the warranty period, and the labour for its removal and replacement , are not included in the warranty, and may be approved only after prior written request and consequent authorization.
- The warranty does not cover cases of normal wear and tear, negligence in use, improper maintenance and improper use.
- The warranty is void if the machine is equipped with accessories or non-original parts.
- In no event SCAN & GO srl will cover the expenses, for loss or damage of any kind resulting from the use more or less correct or from the partial or total malfunctioning of the equipment.
- The goods travel at the risk of the recipient, any damage incurred during the shipment must be claimed at the delivery by the courier in charge.

The manufacturer is deemed non-responsible in the case of:

- 1) inappropriate use of the LEVEL-LIFT ROOF EVO
- 2) use of the equipment, against to any other applicable national regulations;
- 3) serious lack of attention in the maintenance;
- 4) interventions or unauthorized modifications;
- 5) use of non-original parts or replacing parts;
- 6) failure to comply, in whole or in part, of the instructions;
- 7) exceptional events.

TECHNICAL DATA

- | | |
|---|---|
| • Dimensions closed system | 125 x 48 x h. 35 cm |
| • Extended pole height | 3,00 mt |
| • Extension | 4 |
| • Maximum load | 45 kg |
| • Weight | 55 Kg |
| • Bars wheelbase car | 70 cm |
| • Electricity supply | 12V 16A (absorption maximum load of the air compressor) |
| • Maximum operating limit of recovery slope of the ground in the longitudinal axis of the vehicle | Total 20° of which 0° +/-10° |
| • Maximum operating limit of recovery slope of the ground along the perpendicular axis to the vehicle | Total 20° of which 0° +/- 10° |
| • Temperature limit for use of the equipment | - 15° C + 40° C |
| • Temperature limit for the storage of equipment | - 30° C + 50° C |

Notes



SCAN&GO srl
Telefono +39059798545
Fax +390597579279

info@scan-go.eu

follow us ...





NEW surveying technology & solutions