



# UPLSIDE DOWN TRIPOD

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## USER MANUAL

**SCAN&GO srl**

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# Upside Down Tripod *part number UDT*

## STEEL TELESCOPIC TRIPOD FOR UNDERGROUND

Upside down tripod is a telescopic lifter made of painted steel, with mechanical cranked system

### **Combines stability with great sturdiness.**

All metallic components (articulated parts, pressure knobs, leg braces, etc.) guarantee maximum durability and strength.

It is equipped with:

- heavy duty non-slip rubber feet
- 2 extensions of 1 meter each
- holding screw: 5/8" thread and 3/8" adapter

Useful in all inaccessible underground places when is necessary to have scans at different depths.

### **Benefits:**

- Easy to move
- Short setup and uninstal time
- Fast system to get on and off
- Strong and secure rack system

**THE UPSIDE DOWN TRIPOD  
IS PERFECT FOR  
ALL LASER SCANNERS  
MAXIMUM WEIGHT 30 kg**



## **ATTENTION !!!!**

READ CAREFULLY THE PRESENT INSTRUCTION  
MANUAL BEFORE USING THE EQUIPMENT

IT IS STRICLY FORBIDDEN THE USE OF THIS  
EQUIPMENT TO PEOPLE AGED LESS THAN 18

# DETAILS AND ACCESSORIES



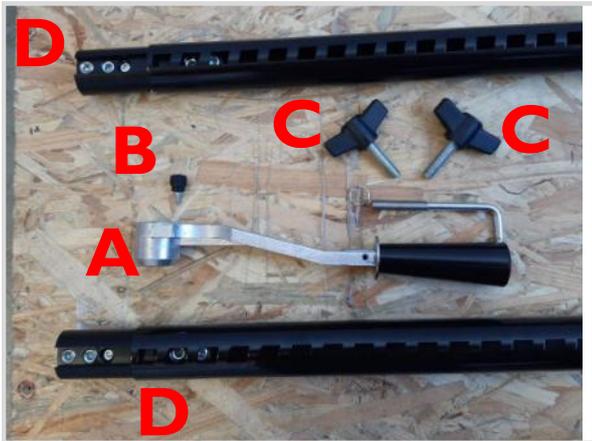
<b>1</b>	STRONG AND SECURE RACK SYSTEM
<b>2</b>	HOLDING SCREW WITH 5/8'' THREAD AND 3/8'' ADAPTER
<b>3</b>	DOUBLE PRESSURE KNOB TO MAKE THE EXTENDABLE POLE MORE STABLE
<b>4</b>	1 ADJUSTABLE LEG

<b>A</b>	EXTENSIONS OF 1 METER EACH	<b>EXT</b>
<b>B</b>	BRAKING WHEELS	<b>BW</b>
<b>C</b>	SAFETY ADAPTER FOR <b>RTC360</b> SAFETY ADAPTER FOR <b>BLK360</b> AND <b>FARO</b> SAFETY ADAPTER FOR <b>P SERIES, Z+F, TRIMBLE</b>	<b>SA-RTC</b> <b>SA-38</b> <b>SA-P</b>



# INSTRUCTIONS FOR INSTALLATION AND USE

## First step



- A** Crank
- B** Crank stop knob
- C** Block knobs
- D** Extension

Insert the crank and lock with the knob



Insert stop knobs without tightening them



## Tripod opening



## Lift upwards



Block the position



# INSTRUCTIONS FOR INSTALLATION AND USE

## Use downwards

Screw the adapter into the 5/8" thread terminal and insert the scanner



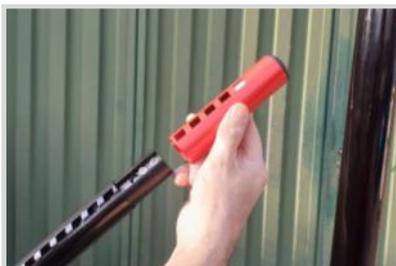
Using the supplied Allen key, unlock the safety terminal



Holding down the safety catch, slide the terminal upwards



Keeping the safety lock pressed, insert the terminal into the extension and tighten the stop with the Allen key



# INSTRUCTIONS FOR INSTALLATION AND USE

While holding down the safety catch, insert the extension and lock with the Allen key



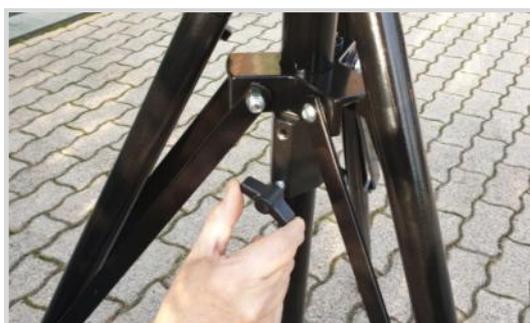
Hold down the safety lever and rotate the crank to lower the scanner



The safety terminal must always be mounted at the end of the last extension used



Once the desired depth is reached, lock the knobs to stiffen the structure.



**NOTE** Before moving the pole upwards, loosen the knobs.

# INSTRUCTIONS FOR INSTALLATION AND USE

## Use upwards

Unlock and remove the two terminals.



Insert and lock the terminal with the 5/8  
"thread on the end of the extension.



Insert and lock the extension



# INSTRUCTIONS FOR INSTALLATION AND USE

Insert and lock the safety terminal in the lower part



With the crank lift the pole up to the starting point of the red safety terminal and lock with the side knob



# SUMMARY TECHNICAL DATA

• Height when closed	130 cm
• Maximum Height opened	370 cm
• Depth of shaft with 2 included extension	120 cm
• Max. depth of shaft	520 cm (with 4 additional extensions of 1 meter)
• Maximum load	30 kg
• Weight	10 kg

## REQUIREMENTS

### SAFETY MEASURES

- 1) The lifter must be placed in a solid and plane surface.
- 2) It is compulsory to secure the equipment with the provided straps that must be hooked to cement blocks or eventually to unmovable structures, if it is used in open spaces so that it is possible to protect it against the wind. Eventually, you can use some stabilizing masses to be positioned on the connecting rods of the tripod.
- 3) Do not put a ladder against the lifter.
- 4) Do not stand under the lifter when the load is up.
- 5) Do not move the elevator when it is lifted.
- 6) The lifter is not homologated for raising human beings.
- 7) Always, remember to lock the extension with the provided thumb-screw and with the safety catch .
- 8) In case the lifter is used in presence of other people, surround it with barriers.

### LIMITS OF USE

The two most important limits to be always checked are THE MAXIMUM PERMITTABLE LOAD as well as the WIND STRENGTH

\* \* MAXIMUM LOAD (see the technical data) refers to the weight that can be installed on the top of the mast to ensure a safe use. All loading conditions that exceed the limit will be considered as dangerous and will result in an immediate end of any form of warranty.

\* The STRENGTH OF THE WIND must be considered. If there is a strong wind, the manufacturer is not responsible of damages that may be caused by the inappropriate use of the equipment such as tipping etc.

### RISKS RELATED TO THE USE

The **two** main **sources of risk** are :

1. RISK OF FALLING of the equipment extended in height, resulting from the action of wind that has not been evaluated adequately.
2. CONTACT WITH ELECTRICAL CABLES, avoiding the risks is possible if the product is used properly by paying attention to the possible sources of danger present in the area. Please, remember that the electrical cables for high voltage, may define the electric discharge to the ground simply approaching and not necessarily touching the conductor.

It is therefore recommended to limit, as far as possible, the influence of the above risks, both for the operational staff and for strangers, in the following way:

- \* *prohibit the transit and parking space surrounding the Upside Down Tripod*
- \* *maintain the efficiency of the equipment*

**Prohibited the use of the platform in the installer mode different from the original configuration and delivery processes other than those provided by the manufacturer.**

**Prohibited the use of the platform in presence of functional anomalies and discrepancies in the rules of use and safety instructions given in this manual. If needed, please ask and wait for intervention of the staff in charge.**

**The use in the presence of functional anomalies and discrepancies in the terms of use and safety instructions described in this manual. If something happens, request and wait for assistance from the personnel.**

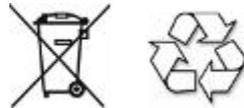
- The instructions, drawings and documentation contained in this document are of confidential technical nature, of property of the manufacturer and may not be reproduced in any manner, either wholly, or in part.
- The manufacturer reserves the right to make changes and improvements at any time, without 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 offer 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 AND MAINTAINIANCE INSTRUCTIONS**

- It is recommended to dry it if it is used under the rain.
- Clean with mild soap and water, do not use chemical cleaners.

#### **INSTRUCTIONS FOR DEMOLITION**

The demolition of the pole 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 applicable laws of "different waste".



#### **WARRANTY**

- **The product warranty is of 12 months from the date of the Invoice.**
- 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 fail-ure.
- 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 lapses in case the 'machine' is equipped with non-original accessories or 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 Upside Down Tripod
- 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.



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