

Smartripod instruction manual

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1-First things first!

Thank you for purchasing this Smartripod, it will give years of good service if you read these simple instructions.

The Smartripod is essentially a tripod kit containing parts that are not available locally. This tripod was created in order to pull out invasive plants like buckthorn but it can be used for a number of things. One of the thing that it should never be used for is to lift people, nor should anybody be under a load lifted by this tripod at any time. There are no tools that are 100% safe, someone's good judgement is the general safety advice.

- The smartripod is a very strong lifting device rated for a 2000 pounds capacity, do not lift heavier loads.
- Children should be kept away from tool operation.
- Gloves and eyewear should be worn.
- The legs of the smartripod should be spread as evenly as possible around the load.
- Wood shrinks after a while, make sure the bolts are always tight.

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2-Parts

These parts should be in the package :

- This manual and a receipt.
- 1 Jesus nut and one eyebolt with two nuts
- 6 sides identified "X"
- 3 pins of 5/8" diameter and 3 cutter pins.

These parts have to be supplied by the buyer :

- 3 pieces of sound construction 4 by 4's (actual size: 3 1/2" X 3 1/2") the length you want.
- 12 bolts, 3/8" in diameter 4 1/2" to 5 " long and 12 nuts 3/8"
- A winch 1/2 or 1 ton.

The tools needed to assemble it are:

- A 3/8" drill and a 3/8" metal or wood bit about 5 inch long.
- 1 or 2 "C" clamps able to open 6 inch or so.
- Measuring tape, pencil, 9/16" wrench, adjustable wrench or a pair of locking plier, workhorses, small piece of plywood 3/8" to 3/4 ".

3-Mounting the smartripod (refer to bottom of document drawing and look at video on vispieux.com site):

- Put a 4 by 4 on workhorses. Clamp a piece of plywood the length of the sides under the end of the 4 by 4.
- Depose two sides on the plywood flush with the end of the 4 by 4 with the letters "X" showing and clamp in place.
- Using the sides as template, drill 2 or 3 holes **only one half** of the beam on one side. Then drill the same holes all the way through the other side.
- Install bolts to hold the sides, remove the "C" clamps and do the same operation for the remaining holes.

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- Do the same for all 3 beams.
- Install the eyebolt on the Jesus nut with double nuts and tighten.
- Install the jesus nut per drawing with **greased pins** and cutter pins.
- You are now done mounting it, oil the articulations once a week or more depending on usage.

4-Operating the smartripod

Even though the smartripod is meant to be operated with any length of 4 by 4's, it is quite heavy once put together, handle it carefully. It can be moved easily one leg at a time, make small steps as not to loose it's balance, it helps to install a handle on each leg. Spread the legs to install the one ton winch (not included). Then "walk" the smartripod one leg at a time to the load.

5-Warranty

The smartripod is warranty for a 1 year period for any unsatisfaction or tool breakage except for wooden parts. Whatever the problem, the buyer never sends the tool back

6-Disclaimer

The manufacturer of this tool (Vispieux enr.) can not be held responsible for any personal injury or damage to property involving the use of this tool. Fault in the tool is limited to reimbursement. By buying this tool, the buyer accepts these terms, if not, contact Pierre Ménard at vispieux@gmail.com for a full reimbursement.

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Mounting the Smartripod

- Secure the 4 by 4 against a flat surface.
- Clamp the sides flush with the end and the surface.
- Drill square with 4 by 4 only half the beam.
- Drill other side all the way through.
- Same procedure for all beams and sides.
- Install jesus nut like drawing with greased pins.
- Lock with cutter pin.

