

# MAIN OPERATING INSTRUCTIONS



*Video Boom V15*

**CAMBO**

## 1. INTRODUCTION

You have bought a Videoboom out of the new Cambo range. We expect that you will achieve very good results and performance using this equipment.

These instructions give short information about the main functions of the new Cambo Videoboom V15. The V15 integrates the V10 compactness and the reach of the V20 Videoboom. The use of extra extension tubes can even enlarge the standard reach of the V15. The Videoboom is quickly set up and fits into a compact softcase that is available from your Cambo dealer.

## 2. LIST OF FUNCTIONS AND PARTS

- |                                     |                                |
|-------------------------------------|--------------------------------|
| 1. Main Beam                        | 6. Header Arm                  |
| 2. Cross Beam                       | 7. Locking Handle              |
| 3. Tail, mount block, locking knobs | 8. Head Mount Block            |
| 4. Mast                             | 9. Bowl Arm                    |
| 5. Rotation Platform                | 10. Locking Knob Boom Movement |



- |                                 |                                |
|---------------------------------|--------------------------------|
| 11. Weight System               | 17. Fastening Knob Video Boom  |
| 12. Weight Axis                 | 18. Locking Knob Boom Rotation |
| 13. Weight Spring               | 19. Locking Knob Main Beam     |
| 14. Safety Pen                  | 20. Locking Knob Cross Beam    |
| 15. Locking Knob Weight System  | 21. Extension Tube Main Beam   |
| 16. Fastening Thread Video Boom | 22. Extension Tube Cross Beam  |

## INSTRUCTIONS ASSEMBLY & SETTING UP

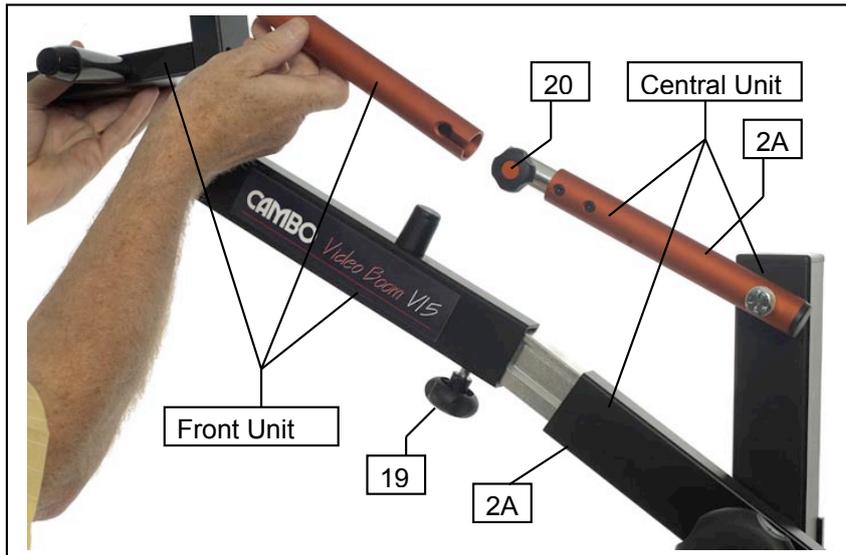
The video boom V15 is pre assembled and supplied in a box. Mount the boom tail (3) to the backside of the Main Beam (1A), sliding the mount block into the main beam and locking it with the locking knob (3).

The boom should be mounted on a standard video tripod.

Set up the tripod and, if necessary, remove the 100-mm bowl. Remove the Fastening Knob (17) from the mounting thread (16) of the video boom and be sure that locking knobs 10, 15 and 18 are tight. Place the central unit of the video boom with the boom tail on top of the tripod with the

thread (16) going through the bowl cup. The edge underneath the rotating platform (5) positions the boom on the 100-mm bowl cup. The boom platform also fits the 75-mm bowl size tripod. Take the fastening knob (17) and put it back on the mounting thread. Make sure that the rotation platform is positioned

correctly and lock the knob by hand.



Take the front Unit of the boom and slide both tubes onto the Main and cross beam (1A, 2A) of the central section that is mounted on the tripod.

Fix both connections with the locking knobs (19, 20).

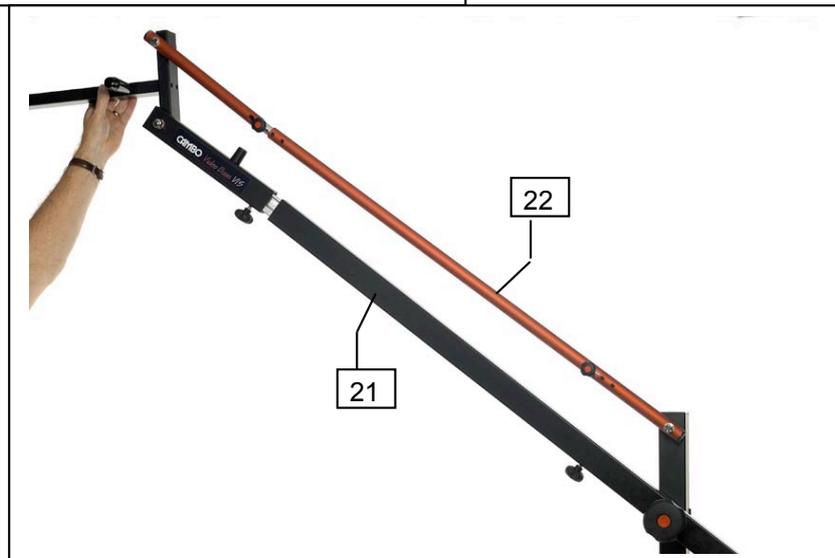
For longer Videoboom reach use the extension tubes (21, 22) and even the extra extension tubes.

These tubes have the same locking system on both sides.

Check the levelling of the boom by using a spirit level or by unlocking the rotation platform (18), seeing if the boom finds its way to a lower position.

The Bowl arm (9) is mounted on the video boom by removing the locking handle (7) from the head mount block (8) at the end of the boom. Slide the bowl arm over the head

mount block and replace the handle, locking the bowl arm. The 100-mm bowl from the video tripod is placed on the bowl arm and secured by its own knob or handle.



## WEIGHT SYSTEM

The boom is used with standard 'fitness' weights that are available in sport shops. It is recommended to use approximately the same weight on both sides of the weight system to get maximum stability in the video boom. A set of 2x 5kg, 2x 3kg and 2x 1kg will take all cameras up to 4 kg. A set of two 10kg weights can be used for heavier cameras.

**Applying the weights:** Place the weight system (11) close to the mast (4) for extra safety. Be sure that the locking knobs 10, 15 and 18 are tight. Remove the safety pen (14) and the spring (13) from the weight axis (12) and first slide the heaviest weight that is necessary on the axis. Slide on all necessary weights and replace the spring and the safety pen. The spring ensures position, stability and silence of the weight system. Do so for the other side as well using approximately the same weights. For extreme counterweights an additional weight system V-17 is necessary.

## MOUNTING THE VIDEO CAMERA

Be sure that the locking knobs 10, 15 and 18 are tight. When using a quick lock plate, mount the

bottom part on the 100-mm bowl. Mount the other quick lock plate to the video camera. Place the camera on the bowl by using this quick lock system. If the camera goes directly on the 100-mm bowl, it is safer to firstly mount the camera to the bowl and then mount the combination to the bowl arm on the video boom.

After placing the camera, unlock the centre lock 10, bring the boom in horizontal position and shift the weight system, unlocking 15, till the boom is counter balanced. If necessary use more or less weight. If the weight system is still far away from the end of the tail, it is recommended to use less weight and a new weight system position.

## USING THE VIDEO BOOM V15

The boom has a low friction rotation platform, which enables you to make very fluid pan movements. The closer to the mast (4) you hold the boom, the smoother are the movements. The further away from the mast you hold the boom, the better you control speed and position. So depending on what you are shooting the boom is controllable in more than one way. The vertical boom movement works the same apart from the end stops. Movements can start from an end stop but using it as a movement stop is not recommended. The locking knob (10) is not a friction control but for certain purposes it is usable as one. Combined pan and vertical movements are easy to do because they do not affect each other. When only vertical or pan movement is required, use the locking knob 10 or 18 to eliminate the other movement.

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## SPECIFICATIONS V15

- **Boom dimensions:**
  - without extension: 1538x561x188mm (l x h x w)
  - with 80cm extension: 2338x561x188mm (l x h x w)
  - with 160cm extension: 3138x561x188mm (l x h x w)
  
- **Weight:**
  - 8,2kg without extension / weights
  - 9,6kg with 80cm extension, without weights
  
- **Maximum Load**
  - based on use of one standard weight system:**
  - Camera System:** 23kg without extensions with approx. 20kg counterweight
  - (Incl. Camera Head) 11kg with 80cm extension and approx. 30kg counterweight
  - 5kg with 160cm extension and approx. 30kg counterweight
  - NOTE: The standard weight system takes approx. 30kg.*
  - based on use of additional V-17 weight system:**
  - 23kg without extensions with approx. 20kg counterweight
  - 18kg with 80cm extension and approx. 54kg counterweight
  - 8kg with 160cm extension and approx. 46kg counterweight
  - NOTE: The tripod should have a sufficient total load capacity!*
  
- **Boom vertical range:**
  - 794mm without extension
  - 2220mm with 80cm extension
  - 3646mm with 2x 80cm extension
  - Neutral Position: 356mm above tripod

Cambo R&D

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This Manual is prepared by Cambo with care, although no responsibility, financial or otherwise, is accepted for any consequences arising out of the use of this manual or this material. All specifications in this manual are subject to change without notice.

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