

# CARTONI

## SMARTPRO – USER'S MANUAL

Thank you for choosing **CARTONI**. The **CARTONI SMARTPRO** fluid head is the ideal support for the latest DV cameras weighing from 0 to 6 Kg (13 lbs). The following set-up instructions are for the achievement of precise pan, tilt and diagonal movement. To get optimum results from your **SMARTPRO** system, the equipment set up is very important.

Before using the patented fluid drag system, you will need to accurately counterbalance your camera in order to allow the tilt drag unit to operate in total freedom without gravity interference.

Please remember that pan and tilt lock levers must be set in lock position before any attempt is made to fit or remove equipment mounted on the head. It is advisable to lock pan and tilt sections when the camera is left unattended.

**1** – Before opening the tripod, release all three levers (1) and lift up the system at the desired height



**2** – Lock the three levers (1) and spread the tripod. Set the desired leg angle by adjusting the extendible spreader and tighten the knobs (2)

**3** – Level the **SMARTPRO** on your tripod by loosening the knob under the head and level according to the spirit bubble.



**4** – Lock both pan and tilt (5) and (6), turn both tilt drag selector (7) and counterbalance knob (8) to the minimum level

**5** – Open completely the slide lock lever (11) to release the camera plate (10)

**6** – Attach the camera plate (10) to the bottom of the camera assembly and firmly secure it with the camera screw; try to place the camera plate centered on the camera, keeping the center of gravity position in mind



**7** – Place the camera sideways on top of the **SMARTPRO** head, the wedge plate will lock into place: in this position the camera can slide forth to back

**8** – Hold the camera in horizontal position with the pan bar (9) and release the tilt brake lever (6). Find correct center of gravity position by sliding the camera plate (10) forth to back until you feel you have achieved the desired balance. Lock the slide lock lever (11)

**9** – Set the counterbalance system by turning the balance knob (8) to appropriate tension. The camera has to stay at any tilt angle. Fine tune by adjusting the sliding plate

**10** – Unlock the pan brake lever (5) and set fluid drag control by adjusting selectors (7) and (4)