PANTHER®

Instruction Manual

Panther Multiglider

Foreword

Congratulations to your decision of purchasing or renting your PANTHER Multiglider. We are pleased that you made your decision in favor of a Slider from Panther, which combines state-of-the-art technology and many years of experience in manufacturing camera support equipment.
Selected materials, know-how and an innovative design ensure that in practice you have a wide variety of possibilities, which you will appreciate during shooting.
Your new PANTHER Multiglider is a high-quality tool giving the creative cameraman the means for camera shots and drives, which could so far only be realized with great efforts or not at all.
The PANTHER Multiglider is a slider developed by specialists for specialists in order to meet the expectations of every cameraman or grip.
To ensure that you will love working with your PANTHER Multiglider and that all requirements during shooting can be fulfilled considering utmost safety and reliability, please carefully read this operation manual.

With our best wishes

Andy Fitz
Panther GmbH

Safety hints

1. Do not start operating the Multiglider until you have read and understood the operating instruction. All safety hints, information on measures and weights, as well as on maintenance intervals have to be observed.

2. The Panther Multiglider may only be operated by competent staff. PANTHER regularly offers training seminars, in which participants receive a certificate after successfully completing the training. For further information and dates please contact us under +49 89 613 900 01.

3. **Lifting, swiveling and drive area** of the Multiglider and its counterweight including accessories have to be kept free in any case. Possible danger of bruises are marked by yellow warning signs. The safety zone of ≥ 0,5 m must be kept free in all directions.

4. **Please observe** that there is a danger of tilting whenever you mount any equipment on the Panther Multiglider. Always lock sliding device with brakes before tilting, loading or positioning the Multiglider. Always secure against unintended movements.
In order to increase the stability, put footprint of tripod in its widest configuration.

5**. Attention: do not use the Multiglider on inclined planes or in vehicles**.
By means of brakes the Multiglider Sledge has to be secured against unintended movements. Make sure that substructure (e.g. tripod) is strong enough to hold a payload of 100 kg. Secure Tripod spreader. The subsoil needs to be firm and unyielding. A minimum payload of 100 kg/m² is required of the subsoil.

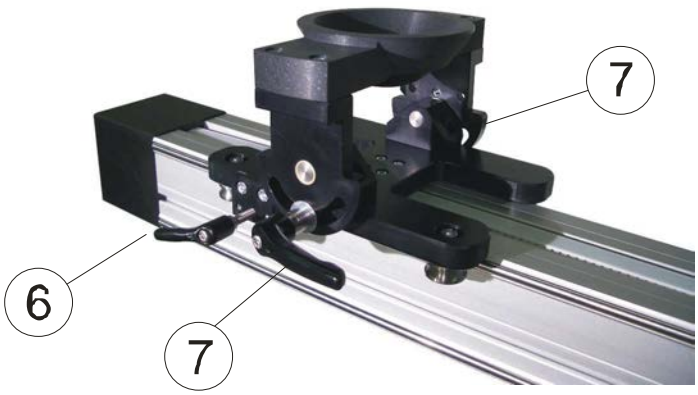
6. **Repair works** should only be executed by the manufacturer or by well-trained staff. PANTHER is offering training seminars, which can be held according to agreement. For further information please call +49 89 613 900 30 (Panther Service Department).

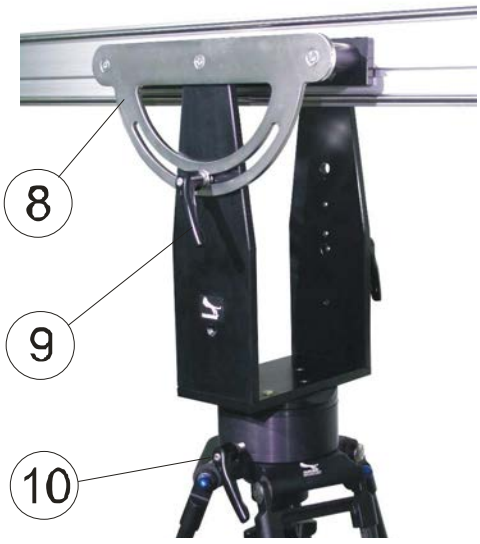
7. **When connecting any electrical device to the mains supply**, the general VDE guidelines have to be observed. The Multiglider needs to be protected against moisture and dust.

8. Make sure that unauthorized personnel can not use the Multiglider if it is out of order. If needed take the right measures against a storm.

The Panther Multiglider

1. Multiglider Rail
2. Sliding Camera Mount:
   75-, 100-, or 150mm bowl, alternatively Mitchell Plate
3. Central Pivot Section
4. Sliding Counter weight sledge
5. Tripod (substructure)
6. Brake for sliding Camera Mount
7. Tilt-Brake for Camera Mount
8. Brake Disc for Multiglider Rail
9. Tilt- Brake for Multiglider Rail
10. Pan-Brake





Mechanical Principles

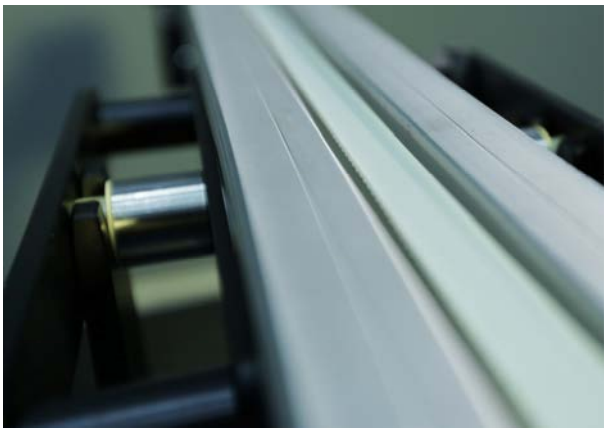
It is useful to understand the Multiglider's mechanical principles, in order to avoid misusing. This is why we are noting the most important characteristics in this operation manual.
The sliding camera mount is connected (via a belt) to the counter weight sledge. The weight of both units always has to be equal. If the weight of camera is e.g. 10Kg, the counter weight sledge must weigh the same. Add or remove counterweights on counter weight sledge if necessary. The weights are available in different sizes (width) for best adjustment.

Both units are perfectly adjusted if loaded sledge is not moving when rail is in vertical or diagonal position.

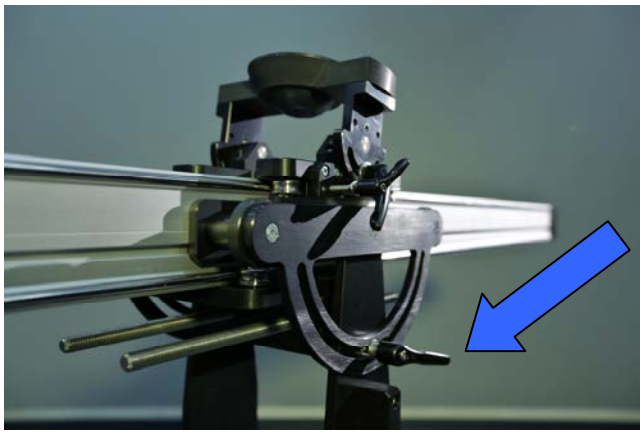
Set Up

Adjust tripod to requested height and secure safely. Dismount Fluid Head (if mounted) and put central pivot section of Multiglider on top of tripod. Secure with locking knob of FluidHead.

Level central pivot section by adjusting each leg of tripod.

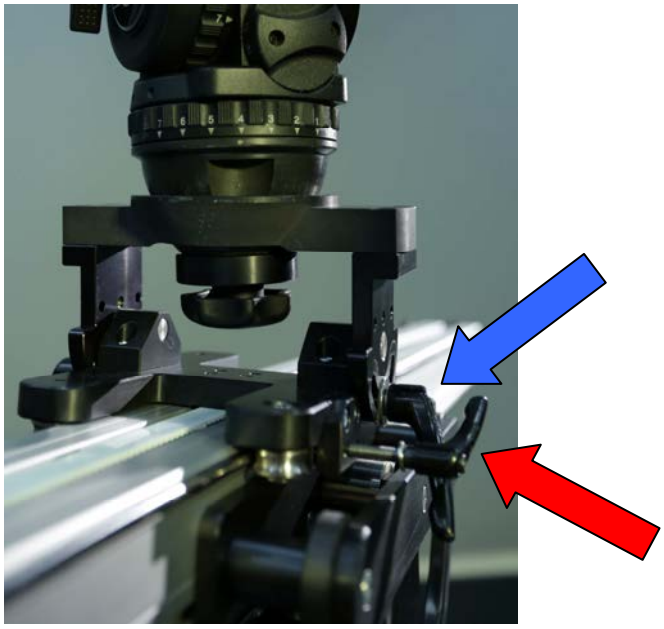


Right fitting of rail in central pivot section.



Tilt-Brake for Multiglider rail holds rail in requested position.

Lock rail in horizontal position and place sliding camera mount in the center of rail.
Lock sliding camera mount with brake lever (red).
Mount Fluid Head with knob which is supplied with Multiglider. Do not use originals knob of Fluid Head. It might be to big, especially using 100mm bowl.
Lock camera mount (bowl) with its two tilt brakes.



Place camera with all accessories onto Fluid Head.

Add or remove counterweights on counter weight sledge if necessary. The weights are available in different sizes (width) for best balance. Secure with supplied nuts.

Both units are perfectly adjusted (balanced) if loaded sledge is not moving (brake open) when rail is in vertical or diagonal position.

Diagonal Shootings:

Place rail in requested diagonal position (angle) and lock Rail with its Tilt-Brake.

Open both Tilt-brake levers of camera mount (bowl) and level. Secure safely after levelling.

Multiglider as Jibarm

Multiglider can be used with supplied parallelogram rod.

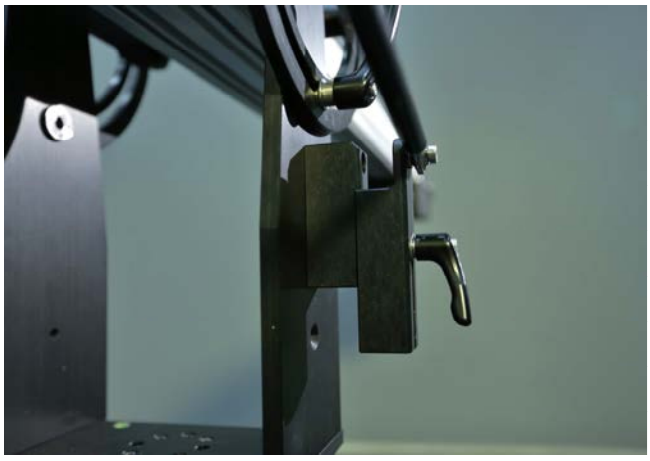
Assemble Multimount with camera and weights as described above.

Lock Rail in horizontal position. Slide Camera mount to the end of rail and lock with brake lever.
Mount parallelogram rod first to camera mount later to central pivot section.

A: Horizontal (levelled) operation:

Mount parallelogram rod conclusive if camera should be horizontal while tilting Mutiglider.

B: Pre-tilted operation:



Mount parallelogram rod not conclusive, if camera should tilt while tilting Multiglider.
Always support weight of camera while adjusting parallelogram rod!

Always support weight of camera while adjusting parallelogram rod!

Levelling Foot

Levelling feet can be placed at any position due to t-groove connection.
Hook levelling foot into t-groove and secure with knob.

Levelling feet can be equipped with levelling foot or 16mm tubes. 16mm tubes can be combined with suction cups in order to place Multiglider onto e.g. car hood.

Operation on Floor:

Mount 4 levelling feet into T-grooves and level the spindles.