

- The MagicBall® can be perfectly combined with a quick release unit such as the NOVOFLEX MiniConnect or the Q=BASE. The two coupling systems provide a fast and secure connection between the camera equipment and the ball head.

While the NOVOFLEX Q-system is consistently integrated into the widely used ARCA Swiss standard, the Mini-Connect is small and inconspicuous, but with an untraceable holding force.



Technical Data:	MB MINI	MB 50	MB
Height x Length x Base Ø	75 x 110 x 35 mm 2.95 x 4.3 x 1.4 "	90 x 150 x 42 mm 3.5 x 5.9 x 1.65 "	105 x 160 x 50 mm 4.1 x 6.3 x 2.0 "
Support pad	45 x 30 mm 1.8 x 1.2 "	52 x 34 mm 2.0 x 1.3 "	55 x 40 mm 2.2 x 1.6 "
Ball Ø	40 mm / 1.6 "	50 mm / 2.0 "	60 mm / 2.4 "
Weight	330 g / 0.7 lbs	610 g / 1.34 lbs	920 g / 2.0 lbs
Load capacity	5 kg / 11 lbs	7 kg / 15.4 lbs	10 kg / 22 lbs

Information

For more information, advice and tips concerning our products contact your photo dealer, the distributor of NOVOFLEX products in your country (have a look at "Where to buy" section at our website to find your distributor) or visit our website: <http://www.novoflex.com>

For personal advice about possible accessories which is suitable for your NOVOFLEX product please contact the following phone number or send us an E-mail.

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MagicBall®

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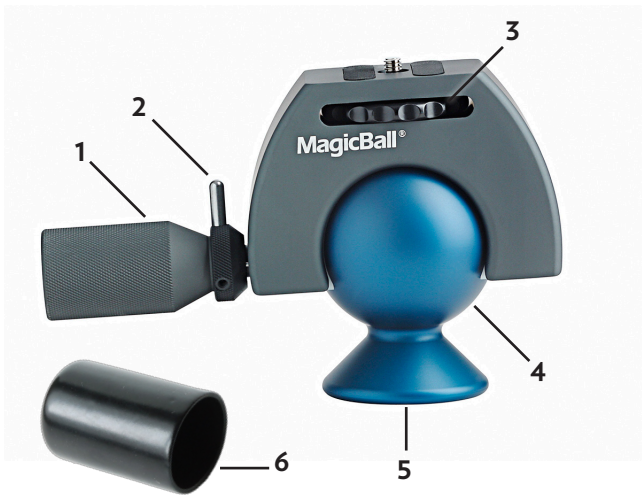
USER MANUAL

Congratulations on your acquisition of the MagicBall®, the revolutionary new ball and socket head. Whilst you should have no difficulty in using your MagicBall®, you may find the following explanations useful.



Product description

The MagicBall® is available in three sizes (MB MINI, MB50 and MB) and provides an unbelievable positioning range of 120° in virtually any plane. All three models are easy to handle and compatible with practically any tripod (1/4" and 3/8" connection). Part of the secret is the large, grippy point-and-fix handle. The handle is used to position the MagicBall exactly, then a simple twist fixes it firmly in place. The outstanding design and use of only the finest materials blocks any vibration transfer. The knurled wheel makes for simple and safe camera mounting.



Nomenclature

1	Locking grip
2	Friction control knob ¹
3	Knurled ring
4	Ball
5	Tripod socket
6	Rubber sleeve ²

¹ The small MagicBall® (MB MINI) has no friction control knob

² Rubber sleeve only available with the large MagicBall® (MB)

Mounting on a tripod

- The tripod socket (5) of the MagicBall® can be mounted on any tripod with 1/4" thread or 3/8" thread, after removal of the stepping insert.

Mounting and dismounting the camera on the ball head

- To mount the camera on the ball head, use the upper 1/4" screw and tighten it counterclockwise using the knurled ring (3). To loosen the assembled device turn the knurled ring (3) clockwise.

Operation

- The locking grip (1) securely locks every position of your camera with a short clockwise rotation. To release the head, a short turn counterclockwise is sufficient.
- Recommendation: Hold the camera as usual in your right hand while operating the locking grip (1) with your left hand.
- With the help of the knurled friction control knob (2), the free movement of the head can be braked in order to achieve a safe camera operation.

Practical tips and maintenance

- To prevent sudden overturning, the locking grip (1) may only be released if the mounted equipment is held at the same time.
- The MagicBall® can carry its maximum load firmly in any position.

Load capacity

MagicBall® MINI	5 kg / 11 lbs
MagicBall® 50	7 kg / 15.4 lbs
MagicBall®	10 kg / 22 lbs

- When mounting large telephoto lenses or heavy equipment, first use the knurled ring (3) until it can not be turned further by hand. Then turn the device mounted on top of the ball head in the opposite direction until it stops moving (about a quarter turn). With this method, the device is particularly strongly connected to the head.
- The knurled ring (3), suitable for most cameras, has a 1/4" threaded screw. For occasional use of cameras or lenses with a 3/8" tripod thread, an over thread is required, as it is factory set in the tripod socket (5) of the MagicBall®. A fixed conversion to 3/8" thread is only possible from the NOVOFLEX factory customer service.
- The adjustment of the friction depends on the weight of the camera. The heavier the equipment used, the more the friction control knob (2) must be tightened.
- The ball (4) of the MagicBall® works lubricant-free, so please never treat the ball (4) with oil or grease!
- The head works self-cleaning, but contamination of the ball (4) by sand and dust should be avoided (rub with a dry cloth).
- The locking grip (1) of the big MagicBall® (MB) can be covered with the supplied rubber sleeve (6) for a more comfortable grip. For easier assembly, the rubber sleeve can be warmed up a bit.
- To change from landscape to portrait mode loosen the knurled ring (3) slightly, turn the camera by 90° and tighten the knurled ring again. Now the camera can be tilted into portrait mode (and beyond) with the help of the head.



Optional accessories

- Alternatively, to change from landscape to portrait, use a panorama base such as the NOVOFLEX PANORAMA II on top of the MagicBall®. The integrated spirit level of the base makes it easier to level out the equipment, and with the help of the side scale, desired angles can be targeted.
- To facilitate handling with long telephoto lenses or heavy equipment, we recommend replacing the standard locking grip (1) with the much longer panning grip MB-GRIFF (available as an accessory.) Smooth panning action can be done more accurately with this longer grip. The MB-GRIFF can be used with the MB and MB50, not with the MB Mini.

