

Fire, Ice and Magic

Pfarrstraße 3
D-85778 Haimhausen
Germany

Tel: +49 8133-9967170
mail@fire-ice-and-magic.de
www.fire-ice-and-magic.de

Instruction Manual “Fächermörser”





The "Fächermörser" is a fan-shaped mortar intended for the production of lightning and spark effects by professional pyrotechnicians. Handling requires appropriate pyrotechnical training and sufficient experience. Please only use the effect if you have tested it several times beforehand under safe conditions and always use it at your own risk. We strongly recommend that you consult the relevant authorities beforehand and provide suitable extinguishing agents.

Before each use, the mortar should be checked for damage and cracks, especially around the welding seams. The mortar should also be regularly cleaned of powder residues and oxide layers from previous ignitions.

First, an electric igniter is fixed to the side of the mortar with insulating tape (we recommend using an electric igniter with a protective sleeve). The igniter is then pushed down into the slot so that it rests at the lowest point of the base.



Once the mortar has been positioned and **sufficiently secured**, the powder can be poured in. The two-component powder (also known as 'A/B-powder') is mixed **beforehand** according to the powder manufacturer's instructions.

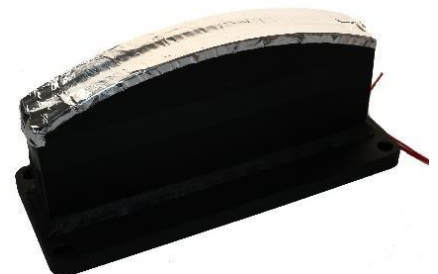
We recommend the use of two-component flash powder from the manufacturers Bavaria Fireworks, NextFX, Pyrogenie or Ultratec. Two-component flash powder from other manufacturers may also be suitable – try at your own risk. Concussion or airburst powders are generally too explosive and therefore unsuitable.



The appropriate amount of powder must be determined by the user through preliminary testing with a careful increase of powder. The required safety distances must also be determined by the user. Due to the design of the mortar, a fan-shaped wall of sparks is created when using powder with sparks. The safety distance to the top or to the sides of the mortar must be significantly greater than the safety distance in front of or behind the mortar.



After the powder has been poured in, it is advisable to close the top of the mortar with aluminum foil or aluminum adhesive tape to prevent unintentional ignition (e.g. by neighboring effects). Caution: The effect becomes louder, more explosive and possibly slightly larger when covered with aluminum foil or aluminum tape.



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85778 Haimhausen
Germany
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