



Technical Datasheet

Single Shot Electric Confetti Cannon

The Single Shot Electric Confetti Cannon is an idea effect for a remote confetti or streamer effect.

Specifications:

Size: 21 x 72 x 55cm

Shipping size:
54 x 104 x 68cm

Equipment weight: 6kg

Shipping weight: 74kg

Voltage: 220-240V

Power connector:
16A White Powercon

Peak amps drawn: 0.7

Decibels: 96db

Air supply: 8g or 16g
CO₂ canister

Additional requirements:
8g or 16g CO₂ canisters,
confetti/streamers, 2
way or 6 way controller
unit, pressure caps, end
caps, suitable cabling,
electrical tape, half
coupler/floor plate.

Additional info:
Reaches 4-8 mtrs with
one firing per canister.
Maximum number
available for 'daisy
chain': 10 units.

How to set up and use the Single Shot Electric Confetti Cannon

1. The cannon comes in two parts; the main body (fig.2) which houses the electronics and the solenoid propelled firing pin. This pierces the gas cartridge and fires the confetti or streamers from the second part, the tube.
2. To set up the cannon we suggest you start from the mains power, connecting the 2 or 6 way controller unit and work back to the cannon. The cannon is supplied with a white Powercon plug on the supply lead and a white Powercon socket on the back of the cannon. This allows multiple units to be configured in a 'daisy chain' if required.
3. The unit can be mounted on a truss via a half coupler clamp (fig.5) or mounted on the floor using a stage board.
4. To Test (**ensure no contents or canister**): Insert the key into the controller and turn clockwise to 'make live'. Select the channel that you have used to connect the cannon supply lead. Press the controller button and you will hear a 'click' from the cannon, indicating the connection has been successful.
5. Screw your CO₂ cartridge into the thread on the front of the main body and tighten to 'finger tight'. The fill tube is the barrel that holds the confetti or streamers and clips on the front of the unit, sliding into place over the canister. Secure using a safety bond.



Fig.1 Single shot cannon



Fig.2 Main body



Fig.3 Controller



Fig.4 Truss mounting



Fig.5 Half coupler clamp



Technical Datasheet

Single Shot Electric Confetti Cannon

Specifications:

Size: 21 x 72 x 55cm

Shipping size:
54 x 104 x 68cm

Equipment weight: 6kg

Shipping weight: 74kg

Voltage: 220-240V

Power connector:
16A White Powercon

Peak amps drawn: 0.7

Decibels: 96db

Air supply: 8g or 16g
CO² canister

Additional requirements:
8g or 16g CO² canisters,
confetti/streamers, 2
way or 6 way controller
unit, pressure caps, end
caps, suitable cabling,
electrical tape, half
coupler/floor plate.

Additional info:
Reaches 4-8 mtrs with
one firing per canister.
Maximum number
available for 'daisy
chain': 10 units.

- To fill the tube, using the ram rod supplied in the flight case, push a brown pressure cap (fig.6) down the tube to the bottom. Fill the tube with confetti or streamers. Place a black end cap (fig.7) over the end of the tube and seal it to the tube with a single length of electrical tape. It should **only circle the cap once** and has no need to overlap.



Fig.6 Pressure cap

- The controller (fig.3) has two or six channels, a fire button and a key switch. It is capable of firing multiple cannons from one channel as long as they are configured in a 'daisy chain'. To fire, ensure the power is on, the key is inserted and turned clockwise then select the channel you wish to fire. Fire by depressing the button and releasing.



Fig.7 End cap taped to the end of the tube

Hints/Tips/Safety:

Ensure a safety distance of approximately 3 metres away from audiences

Don't hold down the firing button, this will burn out the solenoid; a swift, singular pressure is all that is required. Use the ram rod provided in the kit to push the pressure cap into the barrel and push confetti to the bottom.

Don't pack the barrel too tightly with confetti or streamers; this will impede the effect or may block the effect entirely.

Don't use more than once layer of tape when securing the end cap; too many layers will impede the effect or stop the cap from coming off when fired.

This cannon is more effective when truss mounted

This effect is more suited to using 'blocks' of confetti rather than loose confetti.