

STADIUM AIR SCENT CANNON

Stadium Air Scent Cannon



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WELCOME

Important Information About your Stadium Air Scent Cannon

THE STADIUM AIR SCENT CANNON

Congratulations on your purchase of this Global Special Effects Stadium Air Scent Cannon. With your Stadium Air Scent Cannon you will dazzle and entertain audiences in large or small venues. Your Stadium Air Scent Cannon is loaded with advanced features, but at the same time it is very easy to use.

IMPORTANT PRODUCT AND SAFETY INFORMATION

Failure to follow these instructions can cause serious bodily injury or property damage.

CAUTION: YOU MUST READ THE FOLLOWING BEFORE OPERATING THE STADIUM AIR SCENT CANNON



The STADIUM AIR SCENT CANNON is an Electric Product - not a Toy. To avoid the risk of fire, burns, personal injury, and electric shock, it should not be played with and should be placed out of the reach of small children. Adult supervision is continuously necessary to avoid the risk of electric shock or personal injury. Never remove the covers or open the enclosures.

Never operate the STADIUM AIR SCENT CANNON without scent in the solution bottle.

Always mount the STADIUM AIR SCENT CANNON using the secured "C" Clamp that is attached to the steel yoke, or secure it on a flat stable platform. Wrap a safety chain around the yoke brackets for secondary protection.

Never leave the STADIUM AIR SCENT CANNON unattended while operating. Do not operate it in the rain or near standing water. Always use an outlet with an earth grounding receptacle and a Ground Fault Circuit Interrupt (GFCI).

Never use this product for any activity other than for what it is intended.
Never add flammable liquids (oil, gas, alcohol, perfume) to the scent solution.

Stadium Air Scent Cannon Features and Specifications

Features

- 4-channel DMX control
- Remote control
- Variable stand alone features
- Limited Lifetime warranty
- 24-Hour Technical Service
- Repeat Cycle Timer (5 min. and 15 min. cycles)

Specifications

Voltage:	110 60 Hz	220v	100v
Current:	10 Amps		
Size:	21.5" Wide, 18.5" Long and 14" Tall (without the yoke and "C" clamp)		
Weight:	32.5 lbs		
Materials:	Steel and Aluminum		
Color:	Black (other colors are optional)		
Solution Contains: 1 gallon or 4.3 liters			
Power Cable Length:	7 ft		
Tether Length To Remote:	30 ft		

General Operating Instructions

Operating Instructions:

DMX Settings STADIUM AIR SCENT CANNON

The DMX settings are key to the operation of the STADIUM AIR SCENT CANNON. The three-digit number on the back of the STADIUM AIR SCENT CANNON panel determines the operation mode for the STADIUM AIR SCENT CANNON. Warning: there are DMX settings where the STADIUM AIR SCENT CANNON will appear not to operate, so always review the tables below during setup and operation.

8	9	6
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RANGE		ACTIVITY
000	508	DMX Address- Outside Interface
509	599	Standby- No Activity
600	699	Short Cycles of ON/OFF
Acti700	799	Long Cycles of ON/OFF
800	849	Zero to Minimal Output
850	859	Lowest Output
860	879	Light Output
880	889	Medium Output
890	895	Ideal Output for Normal Use
869	899	Largest Output
900	999	Remote Control Activated (Note: 5 Pin DMX <u>must be disconnected.</u>)

See Chart 2 for Remote Controlled Scent Output

Using the Controller

Stadium Air Scent Cannon Controller

The Stadium Air Scent Cannon controller consists of one fan relay, a pump controller and control interface capable of receiving a DMX signal or a proprietary remote control signal. The DMX address is set via a three digit rotary switch located on the back of the device. The DMX address is set in a decimal fashion.

DMX Mode Channel Level

100 : 75	Always On
74 : 51	15 Min Cycle
50 : 25	5 Min Cycle
24 : 0	Off

The following tables show all the settings that can be attained with the use of the three digit rotary switch located on the back of the device. An 'X' indicates that the number in that position does not matter for the required result to be attained. Switch A is in the hundreds position, Switch B is in the tens position, and Switch C is in the ones position.

When the mode channel is set to one of the Momentary positions (either 5 or 15 min cycle), the Cycle Time and Duration channels become active. The cycle time channel establishes the time it takes for the entire event. Duration channel is the length of time of scent output. The minimum time of one cycle is 18 seconds with a ten second ON time, a four second SNEEZE, and a four second WAIT. A sneeze is when the blower remains on without the pump.

Table 1- Mode Settings

A	B	C	Mode
0	0	0	Idle
0	0	1	
:	:	:	DMX
5	0	9	
5	1	0	
:	:	:	Idle
5	9	9	
6	X	X	5 Min
7	X	X	15 Min Cycle
8	X	X	Always On
9	X	X	Remote

Table 1 shows that there are six modes in which the device may operate: Idle, DMX, 5 minute cycle, 15 minute cycle, always on, and remote.

Using the Controller

Stadium Air Scent Cannon Controller

Table 2 – 5 Minute Cycle

A	B	C	ON Time	WAIT Time
6	0	X	15 Seconds	4 Minutes 45
6	1	X	30 Seconds	4 Minutes 30
6	2	X	1 Minute	4 Minutes
6	3	X	1 Minute 30 Seconds	3 Minutes 30
6	4	X	2 Minutes	3 Minutes
6	5	X	2 Minute 30 Seconds	2 Minutes 30
6	6	X	3 Minutes	2 Minutes
6	7	X	3 Minute 30 Seconds	1 Minute 30 Seconds
6	8	X	4 Minutes	1 Minute
6	9	X	4 Minute 30 Seconds	30 Seconds

Table 2 displays the settings for the 5 minute cycle. Within this mode, the device cycles are dependent on the B switch setting. The cycle time is the total time of the event, and the “on time” is the length of time of scent output, similar to the duration in the “DMX mode”. Otherwise, the machine is in a WAIT state.

Table 3 – 15 Minute Cycle

A	B	C	ON Time	WAIT Time
7	0	X	45 Seconds	14 Minutes 15
7	1	X	1 Minute 30 Seconds	13 Minutes 30
7	2	X	3 Minutes	12 Minutes
7	3	X	4 Minutes 30 Seconds	10 Minutes 30
7	4	X	6 Minutes	9 Minutes
7	5	X	7 Minute 30 Seconds	7 Minutes 30 Seconds
7	6	X	9 Minutes	6 Minutes
7	7	X	10 Minute 30 Seconds	4 Minute 30 Seconds
7	8	X	12 Minutes	3 Minutes
7	9	X	13 Minute 30 Seconds	1 Minute 30 Seconds

Table 3 displays the settings for the 15 minute cycle. Within this mode, the device cycles are dependent on the B switch setting. The cycle time is the total time of the event, and the “on time” is the length of time of scent output, similar to the duration in the “DMX mode”. Otherwise, the machine is in a WAIT state.

Example: Switch “B” represents the percentage of time the machine is running out of 15 minutes. So “4” would represent 40% of 15 minutes of run time, or 6 minutes of run time out of 15 minutes. By placing switch “B” to “4,” there will be 6 minutes of run time and 9 minutes of wait time.

Using the Controller and the Remote

Remote Control

The remote control provides a tethered remote control connection to the Stadium Air Scent Cannon. The 3 rotary switches must be at 900 or greater for remote function to be enabled. The remote has control over the on/off and scent output functions. The scent output knob provides variable settings from small (0) to large (5) output. There is also a status LED to inform the user that the unit is on and powered.

When the unit is powered and the power switch on the remote is set to the off position, the red LED on the remote will slowly pulse to inform the user that the unit is in standby. When the user changes the switch to on, the LED will go to a solid red.

While in “remote mode”,
Rotary Switch controls the scent
output.

The “remote mode” also allows
for the use of a quick on/off
switch located on the remote
control.



Maintenance Information and Precautions

General Maintenance

The STADIUM AIR SCENT CANNON is a low maintenance unit.

Cleaning and Storing the STADIUM AIR SCENT CANNON

In order to clean the STADIUM AIR SCENT CANNON, fill another plastic container half full with water and run the unit for 3-5 minutes with the nozzle tilted downward into another container (if possible). You may clean the plastic exterior of the STADIUM AIR SCENT CANNON with detergent and water. Do not stack other boxes or items on top of the STADIUM AIR SCENT CANNON. Store the STADIUM AIR SCENT CANNON in a cool, dry environment between 40-80 degrees F. If electrical wires are frayed, contact the factory at (256) 229-5551 for service. Never operate the STADIUM AIR SCENT CANNON with a frayed electrical wire.

Caution: Never remove the cover or housing screws on the Stadium Air Scent Cannon. This action will nullify the warranty. Contact customer service at (256) 229-5551.

General Repair: The Stadium Air Scent Cannon has a limited lifetime warranty and should never require you to disassemble the unit. Please contact Global Special Effects™ service at (256) 229-5551 if you have questions on its operation or warranty.

Always use Global Special Effects™ approved scent solutions or the Limited Lifetime Warranty will be nullified.

Types of Trouble and Their Solutions

Symptoms and Cause and/or Corrective Actions

1 If the STADIUM AIR SCENT CANNON does not generate scent, review the following checklist.

a) When turned "ON", is the Fan Operating? (Air is shooting out the nozzle of the STADIUM AIR SCENT CANNON).

Yes: Move to (b)

No: Check the electric plug interface at the outlet connection, and make sure the remote connector is connected to the main unit. Check to see if the power switch is "ON" on the main unit. A red LED light should be illuminated on the back of the STADIUM AIR SCENT CANNON when power is "ON". Make sure that the DMX settings meet your desired criteria (see the DMX section of this manual-the unit should always be operating with settings between 880-899). Also, the LED light on the remote should be illuminated (blinking) if the main power is "ON" and the DMX setting is in the 900s. A constant light will illuminate on the remote if scent is being generated. If the lights are not illuminated, call the 24 hr tech line at (256) 229-5551.

b) Is the Pump Operating?

Yes: If you feel the clear plastic tube vibrating, then the pump is operating. Go to (c).

No: Recheck the DMX settings per the DMX settings in the manual. The unit should always operate and blow scent with settings between 880 and 899.

Contact tech support at (256) 229-5551.

c) Check to see if the tube is fully submerged in solution and is not pinched. A hole in the hose would require replacement. It sometimes takes up to 2 minutes for the self-priming pump to saturate with liquid.

d) Set the Rotary Switch between 880 and 899 to prove that the unit operates.

e) Create a new "Solution Mixture", per the instructions, if the nozzle is saturated with liquid but no scent is being made.

2 Is the scent generated very wet or light in volume? Always allow two minutes or so for the STADIUM AIR SCENT CANNON to come to full operation after an extended storage or for the first time operating.

f) Ensure the machine has scent fluid.

g) Make sure the clear tube is completely submerged in the solution.

Contact the 24 hr tech line at (256) 229-5551.

3 Technical Service or Purchasing Global Special Effects™ Liquid Solutions:
Use customer service at (256) 229-5551

24 Hour Technical Service – (256) 229-5551

Limited Lifetime Warranty

Global Special Effects™ provides a limited lifetime warranty for the STADIUM AIR SCENT CANNON from any manufacturing defects. Any misuse, abuse, or negligence automatically voids our warranty. Running any other liquids/materials other than the Global Special Effects™ solutions through the pump automatically voids our warranty. Global Special Effects™ is not responsible for loss of income, labor, or business as a result of a STADIUM AIR SCENT CANNON's malfunction. Global Special Effects™ is not responsible for physical damage, scratching or tube damage after shipping from Global Special Effects™ Manufacturing facility. For safety reasons, Global Special Effects™ will repair damaged electrical wires per the warranty. There is a lifetime warranty on the circuit board and other electronics to the fan or pump. Direct all questions and claims to the Global Special Effects™ 24 hr tech support line at 256-229-5551.



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24 Hour Tech Support
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