

## OPERATION AND TECHNICAL INFORMATION



The S43 portable inflatable outdoor screen is a simple to rig, flexible front and rear projection surface suitable for projection and advertising uses. Easily handled by one or two people, this quick to rig screen provides an economical and yet impressive solution for outdoor presentations

- Weighs only 35kg
- Runs off a 13A outlet
- Available in RED GREEN BLUE or BLACK frames
- Available with or without screen surface
- Supplied as standard with bag, blower, guy ropes, anchoring pegs and repair kit
- Less susceptible to wind than any other inflatable screen
- Quick deflate for extra safety
- Long life, light weight nylon frame
- Options of second blower, PVC surfaces, sound and projection kits

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# **1. Introduction**

## **1.01 - General**

The S43 is a lightweight, transportable outdoor screen suitable for projection and static advertising display. Applications include;

- Drive in movies
- Outdoor video screenings
- Video gaming
- Karaoke
- Projected advertising
- Gaming
- Sporting events
- Information projection

Features include;

- Lightweight
- Simple to erect
- Most resistant to wind
- Easily transportable
- Single phase low current power supply
- Supplied complete with guy ropes, blower, patch kit, bag, pegs etc
- Suitable for rear or front projection

Made from nylon, the screen is the lightest in it's class. Optional items include;

- PVC perforated or matt screen surfaces
- Custom graphical advertising surface (replaces screen surface)
- Additional blower
- Projectors, sound systems, cinema in box solutions, games, receivers

## **1.02 - Specifications**

Screen material;	Cotton weave
Frame material;	Nylon
Frame colour;	Black, blue, green, red
Approvals;	CE, ROHSS, UL
Weight;	Screen and bag 35kg
	Blower 7kg
Screen size;	4m x 3m
Frame size;	5m x 4m approx
Power consumption;	230VAC, approximately 3A (rated to 10A)
Rigging points;	Top x 2, base x 2

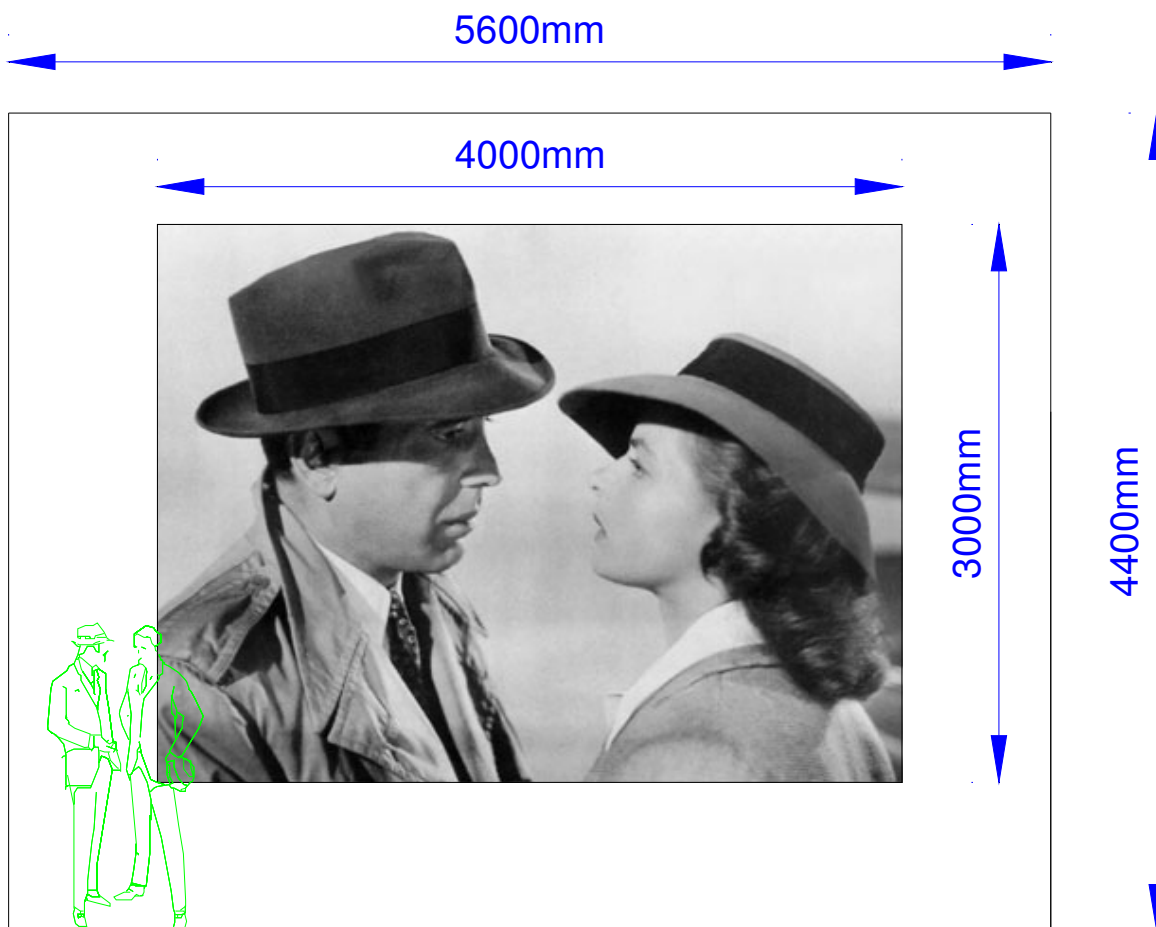
### 1.03 - Support

We are there to help. Our web site, [www.fproj.com](http://www.fproj.com), contains technical notices and information which may be useful. We are available by telephone, fax or email and out of hours our switchboard number will direct you to an emergency number.

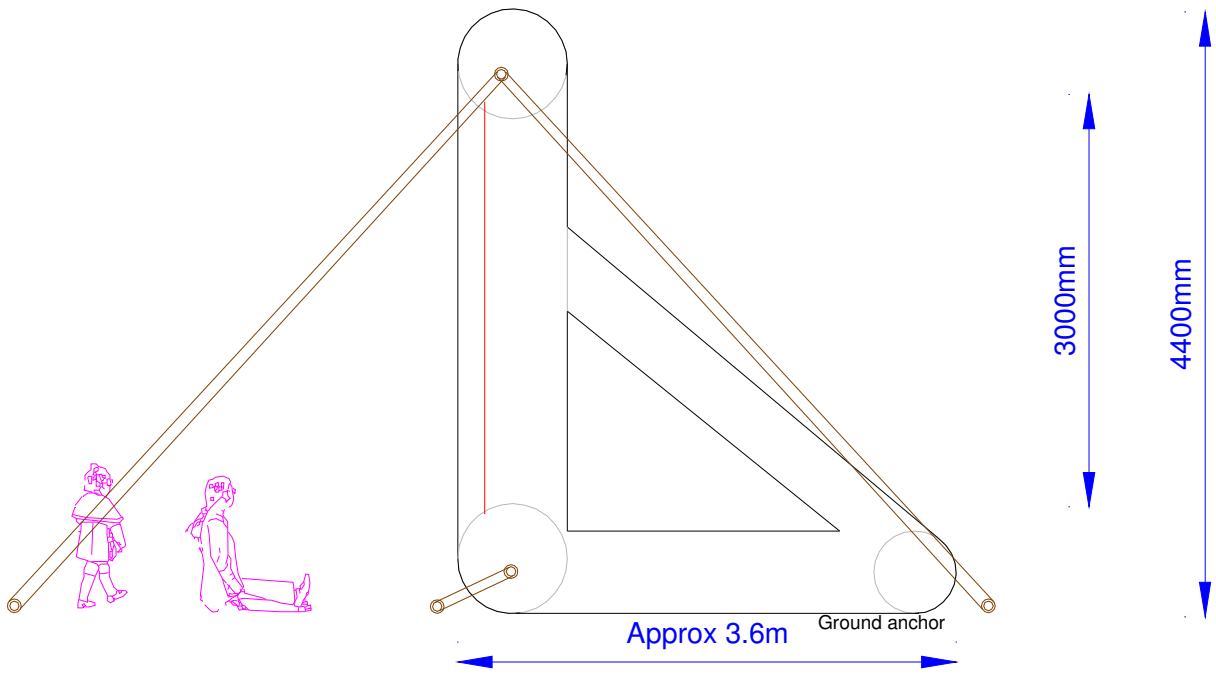
### 1.04 - Warranty

The S43 is warranted to be free from defects in manufacture for one year from the date of shipping. If a failure is suspected, please contact us and get a returns authorization – note items returned without this will be sent back. If a problem occurs during the warranty period, we will repair or replace the unit (at our option) following return and evaluation in our office. This warranty covers only equipment supplied and return of the unit via surface post. We make no warranties beyond this and limit our liability to replacement or repair of the faulty unit. Our warranty is based on the unit being installed by trained and competent persons using as instructed. It specifically excludes damage resulting from misuse, poor installation or excessive winds (see notes on installation).

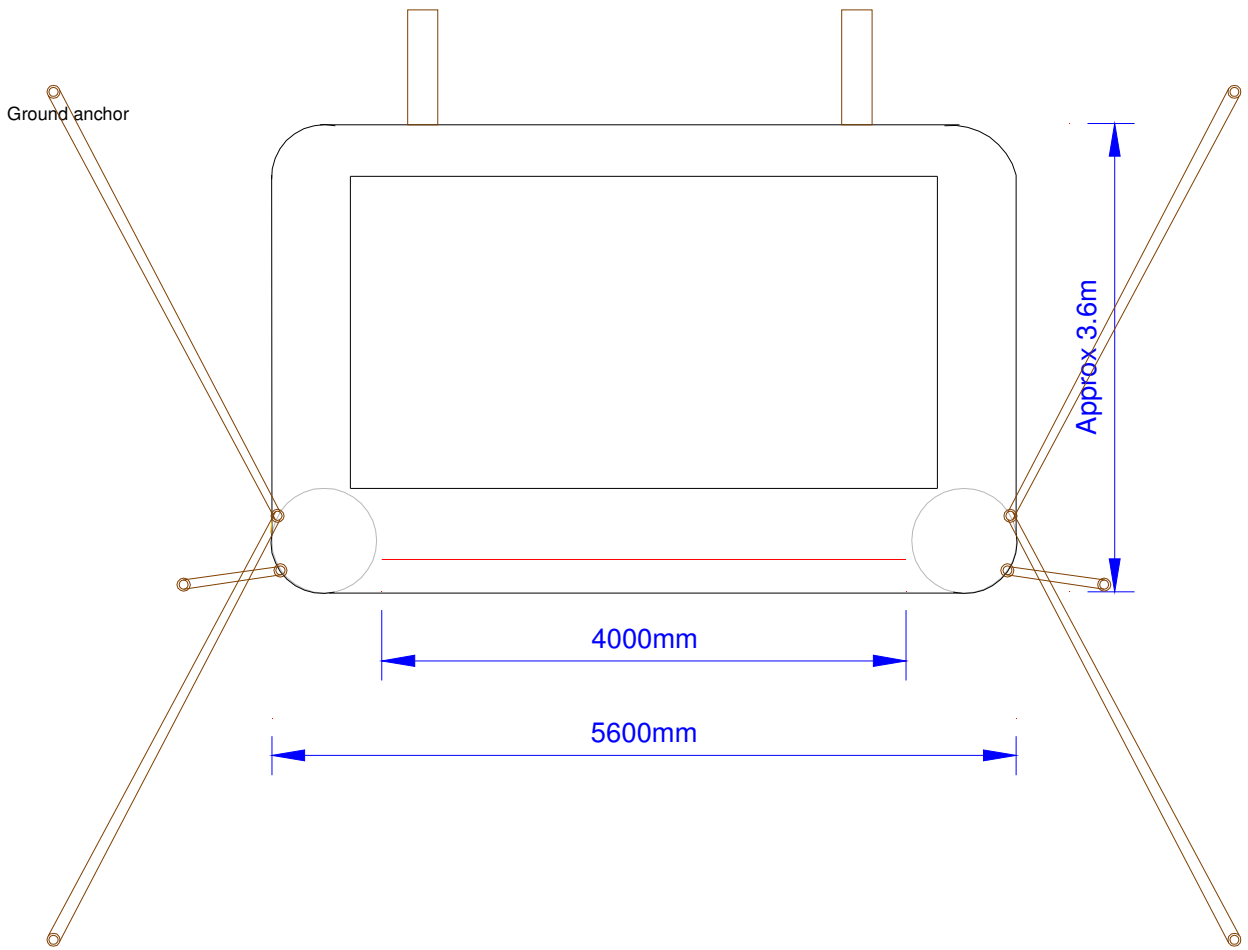
### 1.05 - Drawings



Front view



Side view



Plan view

## **2. Rigging**

### **2.01 - Kit contents**

Each screen is packed with all the accessories you will need to erect the screen in most situations. Please check that the following items are in place before erecting;

- Screen frame
- Screen surface (cotton white)
- Tent pegs x 8
- High level guy ropes x 4
- Repair patch kit x 1
- Bag for screen



### **2.02 – Site conditions**

Ensure that the site is safe and clear before rigging. Make sure

- Immediate area is clear and secured from children and unauthorized people
- Site is flat and dry
- Suitable rigging points are available (see layout drawings section 1)
- A suitable 230VAC single phase supply, protected by a suitable RCD or ELB, is available
- Wind does not exceed recommended maximum – direct wind of over 35km/h

### **2.03 – Unpackaging and pre rigging**

1. Unpack the screen frame and surface from the bag
2. Lay the screen on the ground, so that the blower inputs are to the rear of the audience area and the screen vertical support are pointing skywards.



3. Fix the two low level anchor points to the ground using a small length of rope or string and the anchors provided
4. Fit the outlet of the blower to one of the two blower input points, tie ribbon around mouth of blower. If using a second blower, repeat for the additional blower. If using a single blower, tie off the second blower point to prevent the air escaping.
5. Connect the blower to the mains supply however DO NOT turn on (yet !)





6. Lay the screen frame (the part of the frame that is eventually to be vertical, framed internally with Velcro) on the ground. This will lay on top of the ground and diagonal support and on top of the blower
7. Attach the screen surface using the attached Velcro.



8. Now fold the vertical screen supports with the attached screen in a zig zag pattern (perhaps three or four folds) at the base of where the screen will rise from.

## 2.04 – Inflation

1. Prevailing winds will dictate the positions of the upper screen support wires, however we recommend four points at all times as winds do change. These points can be static (such as trees, poles or vehicles) or ground anchors such as the ones provided. We recommend steel pegs for hard surfaces or high winds. We suggest rigging these in an approximate 7m square equidistant around the screen surface (see drawings).
2. Ensure two ropes are tied to each of the two top rigging eyelets on the upper part of the screen frame
3. Loosely wrap these ropes around the pegs or supports
4. Now the fun starts ! If this is your first inflation or if winds are high, we strongly recommend one person is allocated to each of the four ropes, to slowly feed out the cable. Plug in and turn on the power to the blower

**NOTE – Check that the evacuation zips on the sides and the corners of the screen frame are done up – these are designed to help deflate the screen and should be closed at all other times**

5. The secret to a successful erection is to keep the surface vertical. Working against the prevailing winds (if any) keep some degree of tension on each of the four wires, preventing the screen from falling to the front or the rear. This becomes easier as the screen inflates.



6. Once the screen is vertical, tie off the four supports.
  - Too loose and the screen top will blow around
  - Too tight and the centre of the screen will bend inwards

7. Retension the top support cables as required to make the screen surface square

8. You are done ! Enjoy the show !





### **3. Deflation and derigging**

1. At the end of the show, ensure that the area is clear. Disconnect the AC power supply for the blower
2. Remove the blower and untie the additional blower inlet. The screen should slowly deflate. Manually apply pressure to assist deflation if required, or release the pressure release zips on the screen frame
3. Remove all ground anchors and store
4. Wrap up the four high level guy ropes and either store or leave on frame
5. If required, remove the screen surface. You may leave this attached however it may appear crinkled next usage
6. Assist further the screen with deflation and once completely flat stuff the unit in the bag provided

STOREAGE – Don't wrap the screen up wet – nylon, cotton and a winter of disuse are perfect agents for mould and rot. If you must de rig a wet screen, make sure it is hung out to dry the following day

### **4. Troubleshooting**

#### **4.01 - Blower doesn't work –**

1. Check mains supply is present (using another appliance)
2. Check plug fuse
3. Ensure unit is fully plugged in

#### **4.02 – Screen wont inflate**

1. Check blower is securely connected
2. Check auxiliary blower inlet is securely sealed
3. Check screen for leaks
4. Check pressure release zips in screen frame – these should be closed

#### **4.03 – Screen inflates but wont go up**

1. Check wind level – in extreme winds the screen wont be able to be used
2. Ensure equal tension (accounting for winds) is applied to each upper guide wire during installation
3. Check for leaks, especially from the auxillary blower port

## **5.0 Spare parts and ordering**

400-001	Inflatable screen, free standing, image area 4m x 3m, BLACK frame, with white weave screen and 450W blower. Complete with ropes, carrier bag, ground pegs, patch kit. Bottom image line 600mm, 35kg + 9kg for blower. 240VAC
400-002	Inflatable screen, free standing, image area 4m x 3m, RED frame, with white weave screen and 450W blower. Complete with ropes, carrier bag, ground pegs, patch kit. Bottom image line 600mm, 35kg + 9kg for blower. 240VAC
400-003	Inflatable screen, free standing, image area 4m x 3m, GREEN frame, with white weave screen and 450W blower. Complete with ropes, carrier bag, ground pegs, patch kit. Bottom image line 600mm, 35kg + 9kg for blower. 240VAC
400-004	Inflatable screen, free standing, image area 4m x 3m, BLUE frame, with white weave screen and 450W blower. Complete with ropes, carrier bag, ground pegs, patch kit. Bottom image line 600mm, 35kg + 9kg for blower. 240VAC
400-010	Inflatable frame, free standing, image area 4m x 3m, BLACK frame, shipped without screen surface, 450W blower. Complete with ropes, carrier bag, ground pegs, patch kit. Bottom image line 600mm, 35kg + 9kg for blower. 240VAC
400-011	Inflatable frame, free standing, image area 4m x 3m, RED frame, shipped without screen surface, 450W blower. Complete with ropes, carrier bag, ground pegs, patch kit. Bottom image line 600mm, 35kg + 9kg for blower. 240VAC
400-012	Inflatable frame, free standing, image area 4m x 3m, GREEN frame, shipped without screen surface, 450W blower. Complete with ropes, carrier bag, ground pegs, patch kit. Bottom image line 600mm, 35kg + 9kg for blower. 240VAC
400-013	Inflatable frame, free standing, image area 4m x 3m, BLUE frame, shipped without screen surface, 450W blower. Complete with ropes, carrier bag, ground pegs, patch kit. Bottom image line 600mm, 35kg + 9kg for blower. 240VAC
400-020	4M x 3M cotton weave screen surface
400-021	4M x 3M custom printed advertising banner (custom pricing)
400-022	Spare blower for 4m x 3m screen, 450W CE
400-023	Spare peg for 4m x 3m screen
400-050	Set of letters / velcro banner for daytime advertising