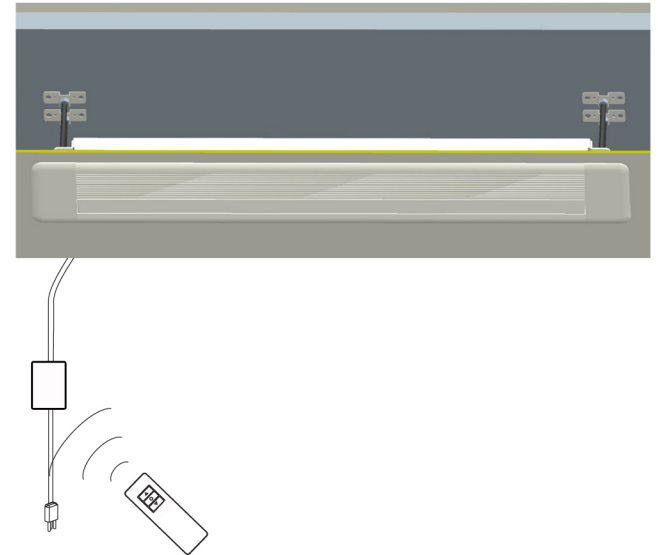


Instruction Manual for In-ceiling Electric Projection Screen



Thank you for purchasing a sapphire projection screen.

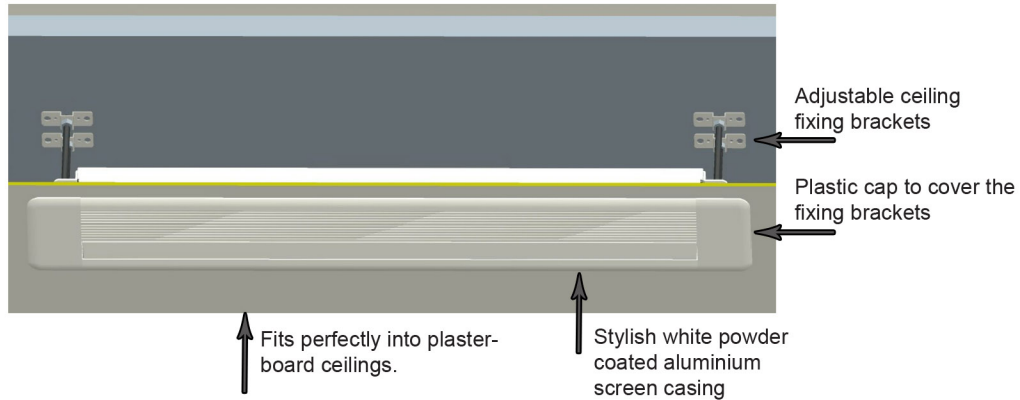
Before use, please read instructions carefully. After installation, store instructions for future reference.

Technical Assistance

If you need help with installing this screen please visit
www.sapphireav.com



Description

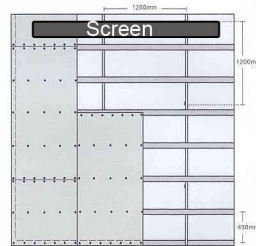


How to fit the screen

A ceiling screen is a very impressive installation. However they need careful planning. The starting point is the structure of your ceiling. You need to know which way the joists are facing. This will usually be across the shortest distance in the room.

Therefore if you have a 5 metre by 3 metre room you would expect the joists to be across the 3m width. This would mean you could fit a screen into the area parallel with the joists fairly easily with only a noggin or two to remove and these are not structural.

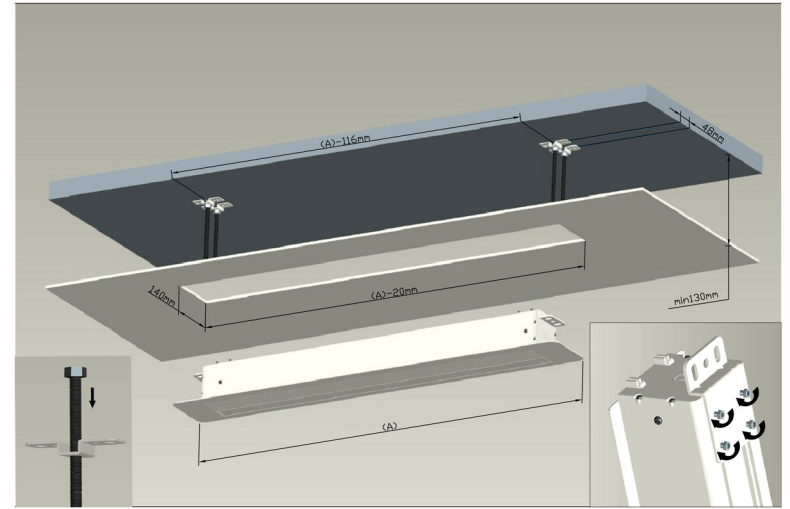
However should you need to fit a screen when the joists are the other way then you need to take advice. It can be done but you need to support the floor and use the correct joist hangers etc.



TIP You may be able to work out the way the joists run by lifting the carpet in the room above. The floorboards or sheets will be opposite to the way the joists run as in the diagram.

Motorized Screen Power Specifications

Voltage	Frequency	Watts	Application
230V/120V/100V	50Hz/60Hz	90W/80W	Applies up to 120" motorized screens



Getting Started

OK so now you know your joists are not a problem you need to cut a hole in the plasterboard ceiling. This needs to be 140mm wide and the length of the screen casing less 20mm (please see table later with the information for each product)

Fit the ceiling support brackets above the screen by deducting 58mm from the casing length on each side (including plastic covers). Prepare the four support brackets as shown in the bottom left of the image above. Fit the two supports on each side 48mm apart ready for the screen. Cut down the threaded bar if required.



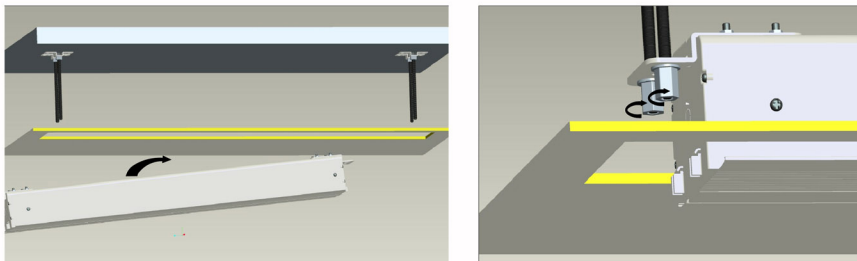
TIP We recommend that you fit supporting wood under the flooring first as this is only 18mm or 22mm thick - a (50mm x100mm) batten

Sapphire Code	format	spec	viewing area	side	top	bottom	case	With end cap	Packaging size			Bottom Bar
									length	high	width	
SESC180BV-A	4:3	84"	1704X1280	50	80	50	1967	2145	2339	184	192	1951
SESC200BV-A		100"	2030X1520	50	80	50	2293	2471	2665	184	192	2277
SESC240BV-A		120"	2340X1755	50	80	50	2606	2784	2978	184	192	2590
SESC300BV-A		150"	3048X2286	50	80	50	3311	3489	3683	184	192	3295
SESC180BWSF-A	16:9	77"	1704X958	50	400	50	1967	2145	2339	184	192	1951
SESC200BWSF-A		92"	2030X1145	50	450	50	2293	2471	2665	184	192	2277
SESC240BWSF-A		106"	2340X1320	50	550	50	2603	2781	2975	184	192	2587
SESC300BWSF-A		133"	3048X1714	50	650	50	3311	3489	3683	184	192	3295
SESC180B1610-A	16:10	79"	1704X1063	50	300	50	1967	2145	2339	184	192	1951
SESC200B1610-A		92"	2030X1268	50	320	50	2293	2471	2665	184	192	2277
SESC240B1610-A		106"	2340X1462	50	400	50	2603	2781	2975	184	192	2587
SESC300B1610-A		136"	3048X1905	50	450	50	3311	3489	3683	184	192	3295

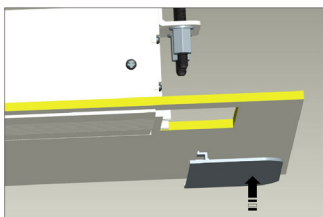
* This is the total width of the screen when in the ceiling with the trim attached to each end.

Fitting screen

When you have cut the hole and mounted the supporting brackets you need to fit the screen into the ceiling. Lift one end in first and with someone supporting the lower end you should be able to guide the screen onto the threaded bars at the right hand side.



Then using a socket tighten the screws to hold the screen in place. Then do the same on the other side. When both are done tightent until the screen is flush with the plasterboard ceiling all along on both sides.



Now fit the white plastic end caps to each side and you will have an almost invisible screen in your ceiling.

If you have provided power to the screen it will now be ready to use.

Control of your screen could not be easier. You have an inline box which can be fitted at any location as long as you extend the 4 core wire to the screen.

This will give you control by Radio or Infra red. Or you can use the 12V trigger on your projector. There is also a manual buton on the side of the box

Please note that Sapphire AV Manufacturing are providing these tips with no responsibility as each installation is different and we can only give general comments. If you are not confident then we recommend that you employ the services of a local builder or Audio Visual Installer.

Remote controllers instruction

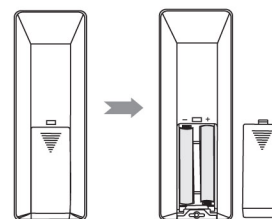


Remote controller instruction:

1. To retract screen, press "UP".
2. To stop the screen, press "STOP".
3. To lower down screen, press "DOWN".

Remote controller guideline:

1. Working temperature: -20°C - +80°C.
2. Protection index: IP30.
3. Batteries: 1.5V x 2pcs, model # AAA.
4. Working under normal polluted environment.
5. Take out batteries if the controller will not be used for a long time.
6. Please change the batteries when signal is weak.



Back view

How to install the batteries:

Please change the batteries as below when signal is weak.

1. Turn around the controller, push to pen the cover as guiding arrow.
2. Put the batteries in according to the guide of anode and cathode.
3. Close the cover.

Caution

The controller does not work if mistaking the anode and cathode of batteries, please correct the direction according to the figure on the left.

Warranty Information

All Sapphire screens come with a class leading three year parts and labour warranty. This warranty excluded user miss-use or failure to carry out manufacturer instructions when fitting. Limit adjustments must be pre-authorized by calling 01633 895918

For more information visit www.sapphireav.com