

Thank you for purchasing a Sapphire AV Manufacturing Ltd product. If you have advised us of the projector you intend to use then we should already have set the RS232 codes for this to work out of the box.

The leads you get in the pack will vary depending on the screen/projector lift that you have purchased.

Each pack will include :-

1. a 10M - RJ45 standard patch lead to connect the control panel to the breakout box which will usually be installed in the ceiling near the projector. It plugs into the socket on the back of the panel and SRC Panel socket on the breakout box (next to the power in).
2. One plug with voltage reducer down to 12V. Plug into the breakout box where it says 12V in.
3. One green three pin plug to a **female serial plug** with approx one 1.5m of lead (**most projectors use this type - please check yours**). This can be used for programming and connecting to the projector to control that via RS232.

Other leads depending on the screen/lift

Screens that end with the code of ATR at the of the code (1.8m - 2.7m electric).

We have a choice of RS232 or closed contact and **unless instructed otherwise** we will use the closed contact as this allows for a lift to be added if required. We will supply a 5m long RJ12 to RJ12 lead. Plug one end into the end cap of the screen and the other into the breakout box marked ATR/Contacts (it will fit into the ATR/RS232 socket - do not make this mistake!)

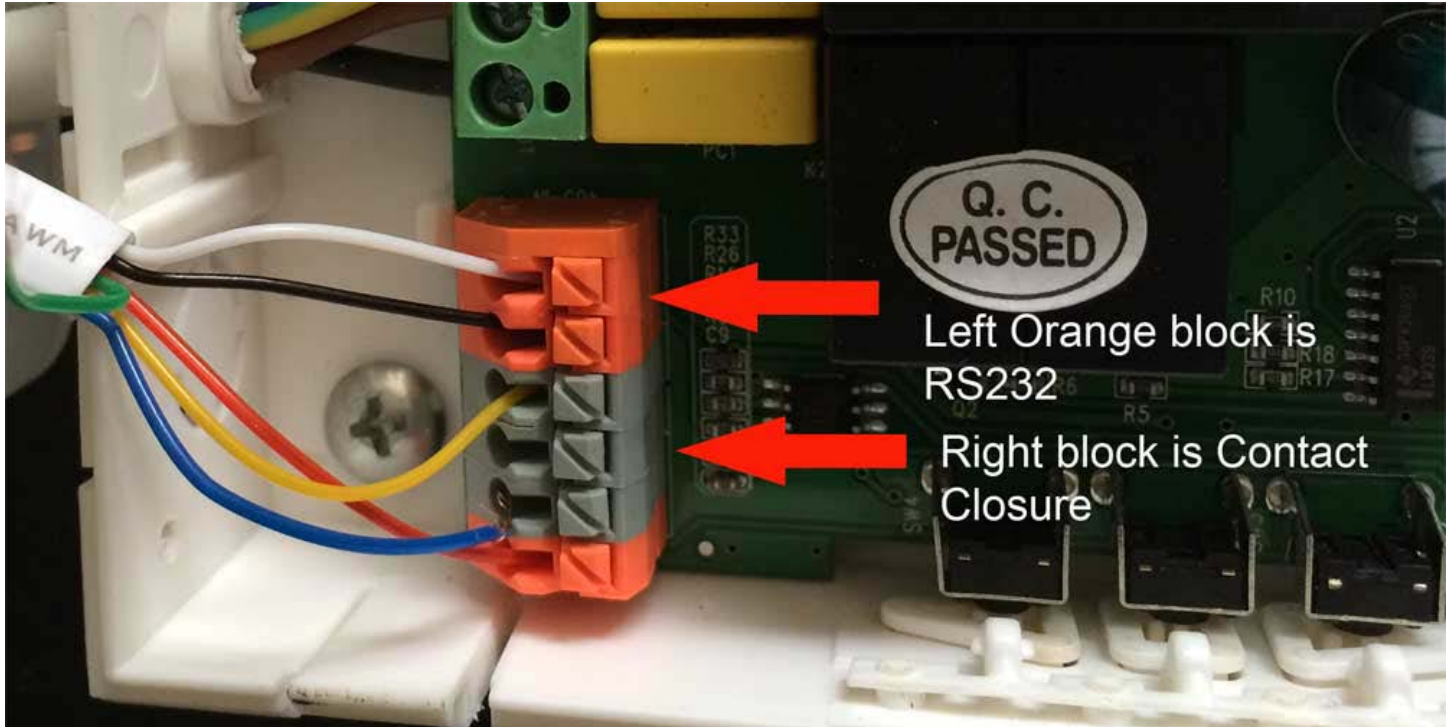
Screens with RAD (for radio controlled in the SKU) or any of the standard Mayfair screens over 3M (not in-ceiling)

We have a choice of RS232 or closed contact and **unless instructed otherwise** we will use the closed contact option. It will come with a 5m lead with an RJ12 on one end which will plug into the break out box marked ATR/Contacts and the other end will plug into the inside of the white box. Press the top of the orange or grey connector and just push in. We will mark the colours for you on the lead supplied and the circuit board is clearly

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marked. MAKE SURE THAT YOU TURN OFF THE MAINS WHEN FITTING THE CABLES INTO THE BOX.



#### In-Ceiling screens

These will be supplied with a 5M - RJ12 to RJ12. One end goes into the socket marked ATR/Contacts on the break out box and the other goes to the RJ12 parallel with the circuit board inside the white control box.

This lead will be marked with which end is for screen and break out board and will not work if they are plugged in the wrong way around. So if for any reason it does not work swap the lead around.

#### Sapphire Smart Move Screens

We will supply a standard 5M - RJ45 lead for this screen. These will be controlled by RS232. It will be as simple as plugging in the screen to the ATR/RS232 - RJ45 socket marked Lift/RS232.

The screen comes with a flexible length RJ45 to cope with the screen moving up and down. With this screen we recommend that you make your own face plate for RJ45 near where the breakout box will be and then extend to put another RJ45 face plate directly above where you have the socket on the screen facing down. The supplied screen RJ45 will then plug in directly at the top and the screen will be ready to use.

#### Sapphire SAPPL02 and SAPPL03 projector lifts.

You will be supplied with a 5m - RJ45 patch lead. One end goes into the break out box where it is marked RS232/Lift and the other plugs into the lift on the input panel.

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The lift will drop immediately that you press the button - however the projector will have a delay if you are using a lift to ensure that it is not operating when the projector boots up. The reverse applies when you turn it off.

The lift will not retract until after the projector cooling period to protect the lamp.

### Projector Control

If you have advised your dealer/distributor of the projector that you are using then it will arrived pre-programmed for you.

You will be supplied with a lead or around 1.5M with a green three way plug one end and a standard serial female plug on the other. Most projectors use this to control via RS232.

Just connect and your projector will work with buttons to switch sources, blank the screen and control volume. To use the volume you need to feed the sound via the projector.

### Making it all work

Once you have plugged it in and made sure all devices have power you just need to press the power button and all your devices will work. The screen will drop, the projector will start up and if you are using a projector lift that will drop.

When the items are active the orange light will show on the power button. When you press and hold the button for a few second all the devices will power down together.

### Programming yourself

You can use the supplied projector lead as this is the same connector on the break out box that you use to program. If you then have a USB to serial adapter with a male end so that it connects to our cable you will be ready.

You need to download our software for the following page:-

<http://www.sapphireav.com/sapphire-room-controller>

Look for the link bottom of the page - it is only a small program. When you open it you choose the item to program and then if your projector is not listed you can create a new one easily with the Edit projectors button on the top menu. Just click new at the top or amend an existing one.

When done click the button at the top that is six in from the left and it will connect to the serial port. You will see it will say SRC7 on one port. Click to select and it will download the information to the panel. The panel must of course be connected to the breakout box at this stage.

If you are programming the Smart Move screen it has to be via RS232. Choose screen and then serial. A drop down list of Sapphire Screens will appear. You will only need to select Smart Move and it will do all the work for you to ensure that both the casing and the fabric drop down when you press the power button.