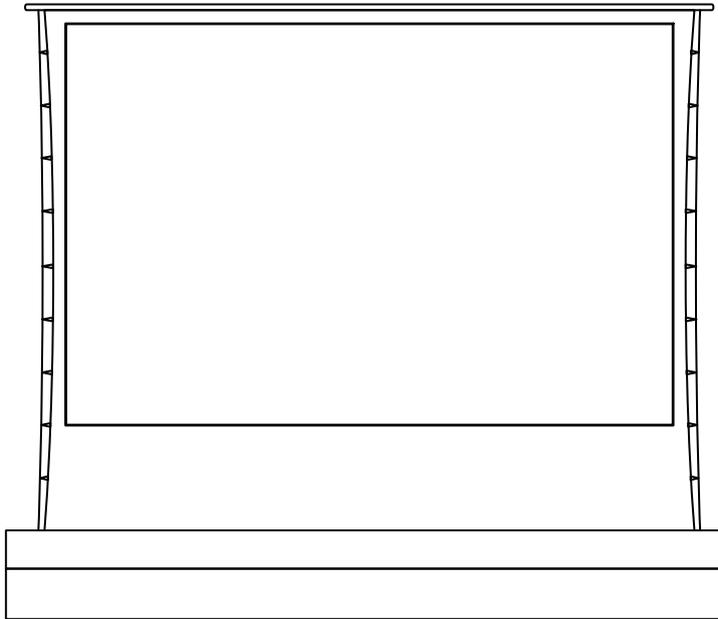


# Phoenix/Solaris

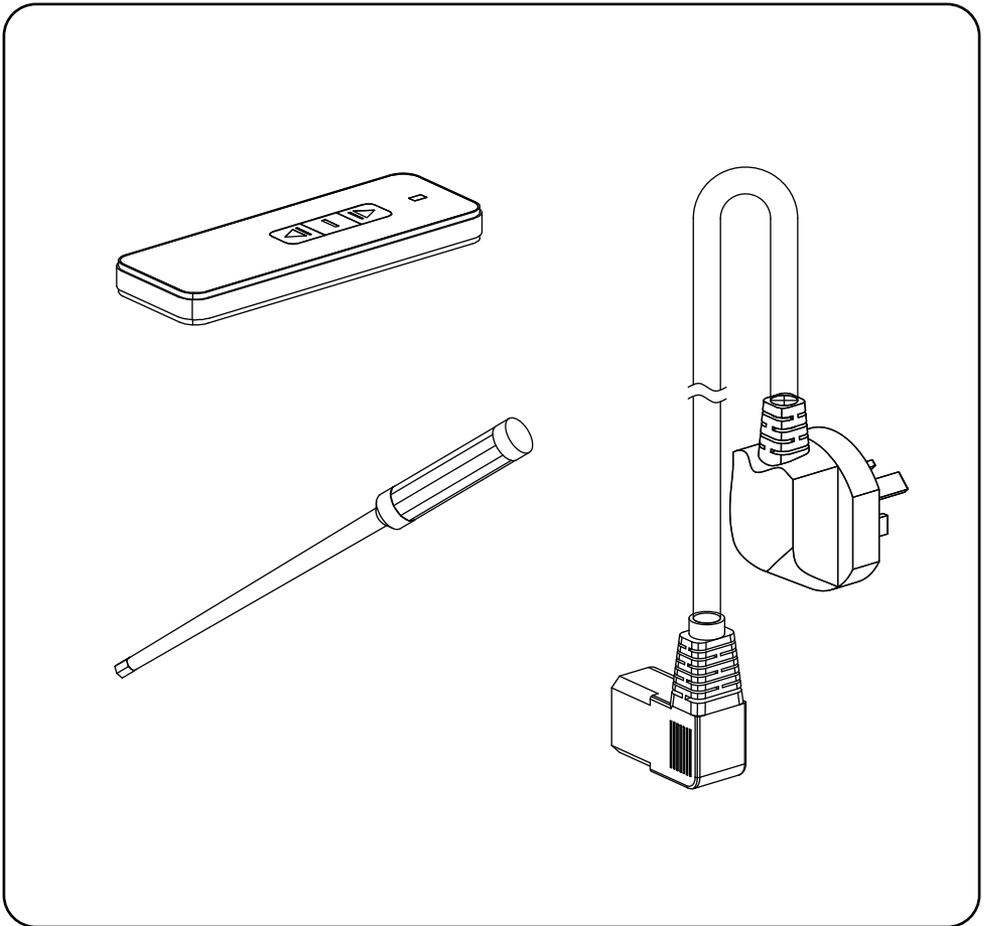


PHOENIX SOLARIS

Instruction manual for Phoenix and  
Solaris floor rising projector screen

Please read this manual before installing and using the  
projection screen. Retain this manual for future reference.





- Screen (1pc)
- Remote control (1pc)
- Adjustment rod (1 pc)
- Power cable (1 pc)

Items listed here may change without prior notice.  
The company reserves the right to all of the listed items.

# Important Safety Tips

**⚠ WARNING:** Incorrect installation and improper use may lead to mechanical failure or personal injury.

Considerations for installing / using this product

1. Handle with care to avoid damage.
2. Do not expose the product to rainwater or any other form of moisture.
3. Keep away from heat sources, such as radiators and other items that may emit heat
4. Do not attempt to remove the fuselage shell and private wiring by yourself.
5. Check whether the voltage is consistent with the required voltage.
6. Avoid scratching the screen surface.
7. Put the screen back into the shell to after use to protect it from dust pollution.
8. Do not open and close the screen frequently in a short period of time.
9. Keep the screen horizontal at all times. Power up the screen 1-2 times a month to keep the motor running properly if you don't use it often.

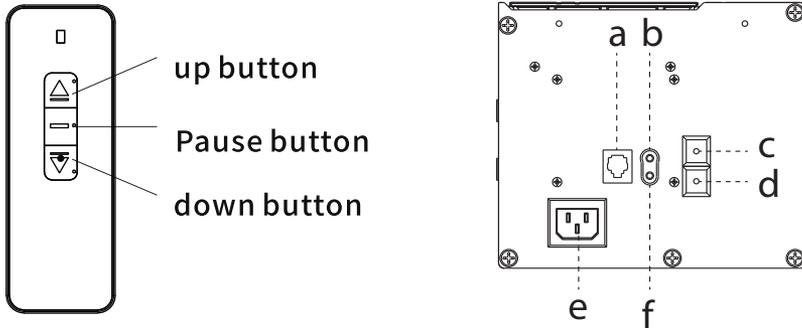
The company will not be liable for any damages or injuries caused by a faulty installation or operation.

**⚠** Do not adjust the limit by yourself

Cleaning

Use a soft, dry cloth with non-corrosive components and neutral soap water to gently clean the screen and the shell. **DO NOT USE** chemicals or corrosive materials to avoid damaging the product.

# Operating Methods



- a. Center control network cable interface
- b. Infrared control receiver interface
- c. Manual switch - Up button
- d. Manual switch - Down button
- e. Power Supply
- f. 12 V trigger cable interface

After receiving the screen, remove them from carton and place them in appropriate positions. Please read the manual carefully before use. Plug in the power cable and power on the screen.

The adjusting rod come with the screen, but it's not recommended to use it. The height of the screen has been pre-set before leaving the factory, if you need to adjust the height of the screen, please contact Carson Screens.

# Screen Control Methods

## 1. External DC/AC 12V power control method

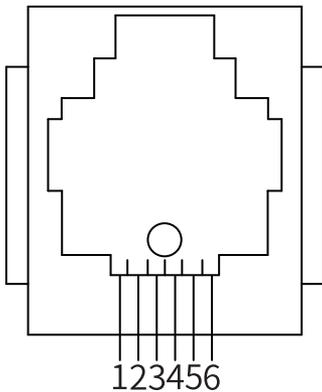
- DC/AC 12V trigger signal goes from off to on, the screen turn on and runs upward;
- DC/AC 12V trigger signal from on to off, the screen turn off and downward operation;
- Input voltage range: DC/AC 5V-12V.

## 2. Dry contact control:

Connect the port to the 6P network cable.

Function control:

- A. Connect line 3+ line 6, pulse signal triggers the screen continues to go up.
- Connect line 4+ line 6, pulse signal triggers the screen stops running.
- Connect line 5+ line 6, pulse signal triggers the screen continues to go down.



### 6P network cable ports: From left to right:

- RS485-B
- RS485-A
- Manually control“ turn on” line.
- Manually control“ stop” line.
- Manually control“ turn off” line.
- Manually control public line.

# Screen Control Methods (cont.)

## 3. Central control:

Connect the port to the 6P network cable

RS485 Port Settings

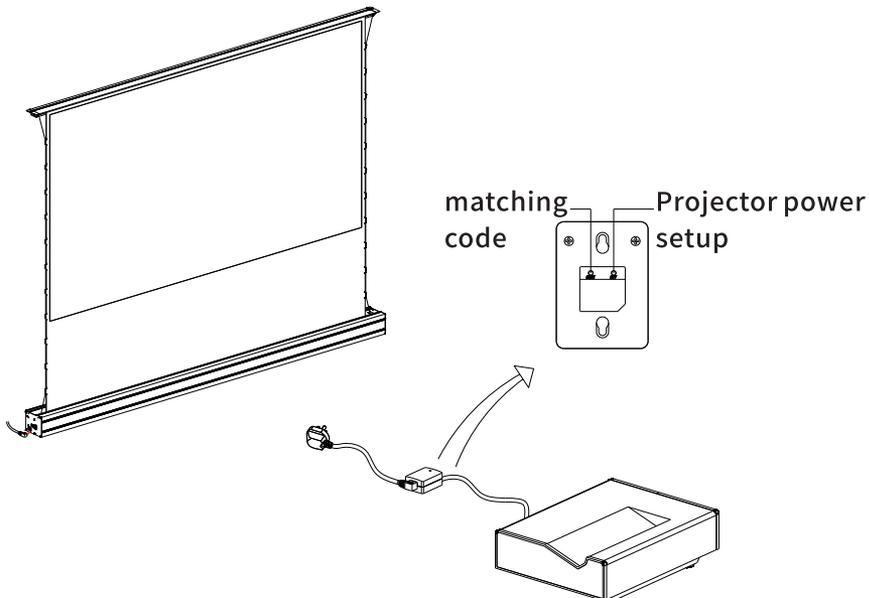
1. Baud rate: 2400
2. Data length: 8
3. Parity check: N
4. Starting bit: 1
5. Stop bit: 1

Control code

1. "Up" command: 0xFF 0xAA 0xEE 0xEE 0xDD
2. "Stop" command: 0xFF 0xAA 0xEE 0xEE 0xCC
3. "Down" command: 0xFF 0xAA 0xEE 0xEE 0xEE

Function control

1. Uplink command: The screen continues to go up;
2. Stop command: The screen stops running.
3. Downlink command: The screen continues to go down.

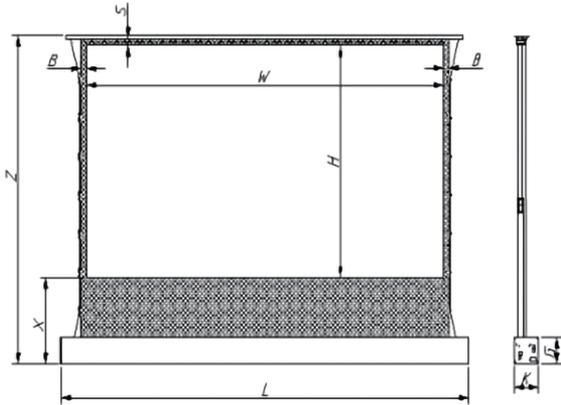


# Screen Control Methods (cont.)

## **AC trigger linkage setting between projector and projection screen:**

1. Connect the AC trigger to the power interface of the projector first.
2. In the case of power on, press the "set" button behind the AC trigger with a paper clip or something similar. At this time, the indicator light of the AC trigger flashes for 3 times. Then press the turn on button of the projector within 10s, wait 15 to 20 s, you can hear the buzzer for three times, indicating that the projector is successfully connected with the AC trigger.
3. Set the linkage between the AC trigger and the screen. Disconnect the screen power first, In the case of the AC trigger is powered on, press and hold the COME button behind the AC trigger with a paper clip and do not release it. At this time, the indicator light of the AC trigger flashes three times. At this time, connect the screen power immediately and release the COME button when you hear the buzzer for three times. Then quickly press the COME button again within 5S, and then hear the buzzer three times, indicating that the setting is successful. After the above Settings are completed, when you turn on the projector, the screen will automatically turn on; Conversely, when you turn off the projector, the screen automatically turns off.

# Specifications



Ratio	size	viewing area (mm)		Size of the shell			top black border S	left/right black border B	bottom black border X
		W	H	L	K	G			
16:9	70"	1150	872	1820	133	123	30	30	500
	80"	1771	996	2041	133	123	30	30	500
	90"	1992	1121	2262	133	123	30	30	500
	100"	2213	1245	2484	133	123	30	30	500
	110"	2435	1369	2705	133	123	30	30	500
	120"	2656	1494	2926	133	123	50	50	500

Ratio	size	open height Z	packing size (mm)			N.W/KG	G.W/kg
			L	W	H		
16:9	70"	1537	1916	201	213	13.3	16.5
	80"	1662	2137	201	213	15.9	18.9
	90"	1662	2358	201	213	18.6	21.5
	100"	1786	2580	201	213	21.5	22.7
	110"	1910	2801	201	213	23.8	25.6
	120"	2034	3000	201	213	26.4	30.0

# Troubleshooting

## Screen

Nature of fault	Probable cause	Solution
Screen does not go up or down, non responsive	Low battery in remote	Replace battery
	Power cable not connected	Connect the power cable
	Motor in thermal protection mode after extended period of use	Let motor cool for 15 minutes, then retry
Screen not fully closing	Adjust the height of the screen	Refer to the user manual or contact the factory. <b>DO NOT</b> attempt to fix yourself

## Remote

Nature of fault	Probable cause	Solution
The indicator on the remote is on but the receiver is unresponsive	<ul style="list-style-type: none"><li>- Receiver wiring likely incorrect;</li><li>- Code pairing likely incomplete</li></ul>	<ul style="list-style-type: none"><li>- Correct the wiring according to instructions</li><li>- Correct code matching between remote and receiver</li></ul>
The remote control and receiver work well, but the motor doesn't run	Likely incorrect wiring of the motor	Correct the wiring according to instructions
Remote control is not responsive	Remote control battery is dead	Get a new battery



[enquiry@carsonscreens.com.au](mailto:enquiry@carsonscreens.com.au)  
[carsonscreens.com.au](http://carsonscreens.com.au)