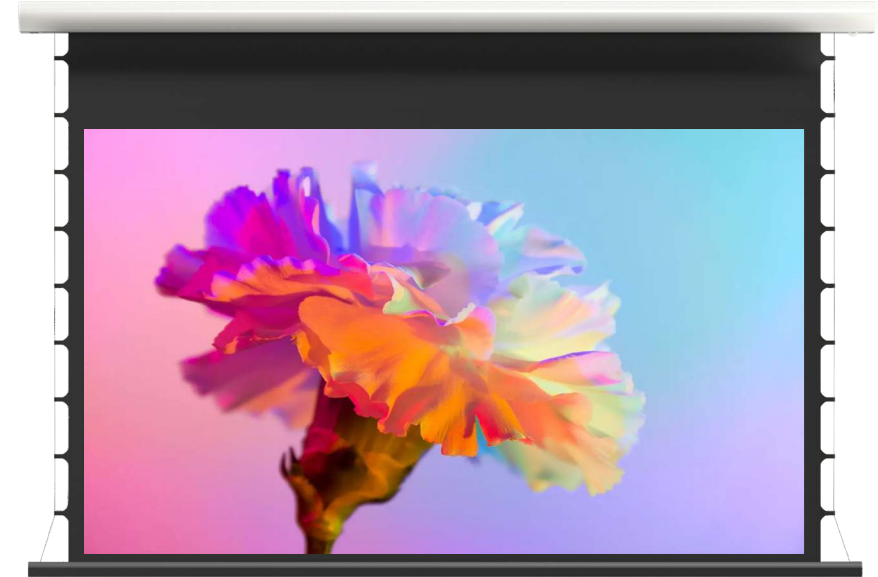# Motorized Screen User Manual

Note: please read the instructions carefully before installation and use, and keep it properly after reading for future reference.

Matters need attention

⊗ Important safety instruction

Warning Please strictly comply with the following safety rules, wrong installation or using may bring damage to projector screen or personnel injury.

Considerations for installing / using this product

1. Please handle with care.
2. Don't expose it in the rain and keep away from water.
3. Keep away from fire/heat.
4. Don't remove the housing and wiring privately.
5. Check if the voltage is consistent with the required voltage, it can only connect the power plug and socket with grounding wire.
6. Don't scratch or fold the screen fabric, avoid breakage and wrinkles.
7. Please close the screen after use to prevent dust.
8. Don't rise and lower the screen in short time frequently to prevent breaking the circuit board.
9. Ensure the screen to be installed in a horizontal position.

⚠ Please follow the manual to operate.
Please contact professional personnels for installation and maintenance.

⚡ Please make sure the housing and accessories are insulated, and do not remove the end cover to avoid electric shock.

● We do not assume compensation liability for any mechanical damages or casualties caused by installation or operation errors and any natural disasters.

> Forbidden arbitrarily debug the screen.
> It must be debugged under the guidance of professionals

Cleaning

Please use dry and soft cloth with non-corrosive components and neutral soap water to clean the screen and the housing carefully.
Do not use chemicals or corrosive

Catalogue

Professional Aluminum Alloy Motorized Screen

The breakthrough design concept and configuration, both reach the top screen quality and level, especially the application of multiple independent patents and mute technology, display a new trend of cutting- edge screen technology for the public. Profit by the application of the ultra-quiet tubular motor and the QUIETTUNING technology, the lifting speed is 50% faster and the noise is 80% lower than the screens with synchronous motors.

The beauty of generousness

Add dynamic, elegant and smooth concepts to the overall design, presenting an generous design style, and the craftsmanship is also very sophisticated.

High performance power

Equipped with high-speed and high-performance quiet tubular motor, uses the active shock absorption stability system first, and reflects cutting-edge power technology.
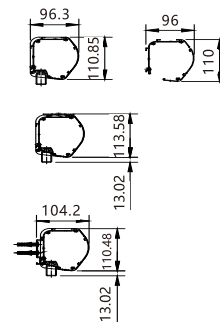
high-speed high-performance quiet tubular motor

compare with common motor
50% faster
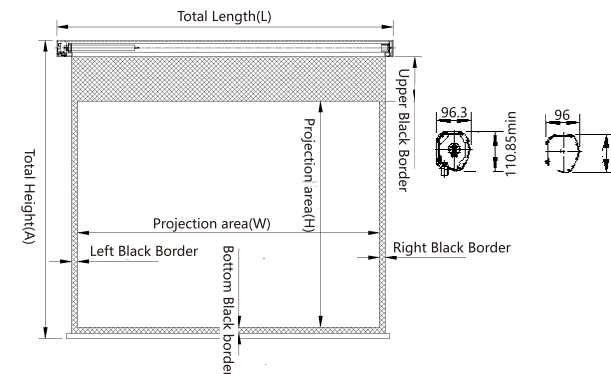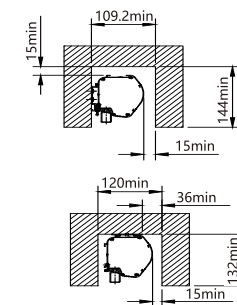80% lower voice
5-time longer life

Remote Controller

Ratio	Size	Projection Area		Upper Black Border	Bottom Black Border	Left/Right Black Border	Total Height	Total Length		Package Size<L*W*H（mm)>		N.W.	G.W.
		W（mm)	H（mm)					Non-tab Tensioned	Tab Tensioned	Non-tab Tensioned	Tab Tensioned	（KG)	(KG)
4:3	100"	2032	1524	300	40	40	2011	2263	2443	2353*159*172	2533*159*172	17.50	20.80
	120"	2438	1828	100	40	40	2115	2669	2849	2759*159*172	2939*159*172	20.30	24.10
	135"	2743	2057	100	40	40	2344	2974	3154	3064*159*172	3244*159*172	22.60	26.80
16:9	100"	2213	1245	425	40	40	1857	2444	2624	2534*159*172	2714*159*172	18.50	22.00
	106"	2346	1319	500	40	40	2006	2577	2757	2667*159*172	2847*159*172	19.50	23.20
	110"	2435	1369	450	40	40	2006	2666	2846	2756*159*172	2936*159*172	20.10	23.90
	120"	2656	1494	330	40	40	2011	2887	3067	2977*159*172	3157*159*172	21.60	25.60
	130"	2877	1618	200	40	40	2005	3108	3288	3198*159*172	3378*159*172	23.00	27.30
	135"	2988	1681	140	40	40	2008	3219	3399	3309*159*172	3489*159*172	23.70	28.20
	150"	3320	1867	100	40	40	2154	3551	3731	3641*159*172	3821*159*172	26.10	31.00

End Cover

Hidden Installation Data

Total Length(L)

Total Height(A)

Projection area(H)

Projection area(W)

Upper Black Border

Left Black Border
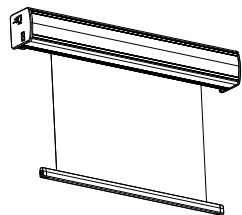
Bottom Black border

Right Black Border

Check the accessories

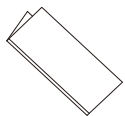We reserve the right to change the accessories mentioned in the manual at any time without prior notice.

Installation Manual*1

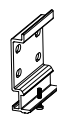Warranty Card*1

Warning Sticker*1

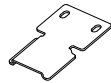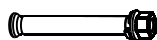|				
motorized screen(1pc)	user manual	remote controller(1pc)	removable wall-mount hanger(2pcs,above150" 4pcs)	Ceiling-mount hanger(2pcs)
φ10 ceiling hoisting safety hook(2pc, above 150" 4pcs)	lifting ring (2pcs, above150" 4pcs)	in-wall hook(2pcs, only for 135"and below)	5X40self-tapping screw(4pcs, above 150" 8pcs)	φ8 plastic wall plug(8pcs, above 150"12pcs)
hexagon nut(2pcs, above150" 4pcs)	concrete anchor(4pcs, above 150" 8pcs)	bubble lever(1pc)	hexagon adjusting stick	

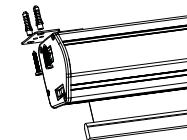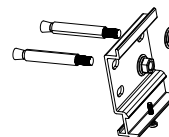## Multiple Installation Method (We suggest install with the position sticker)

wood wall
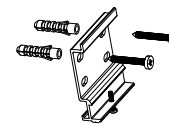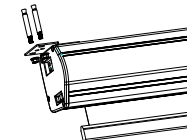
wood ceiling

concrete wall

concrete ceiling
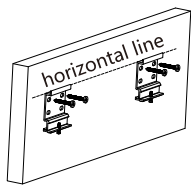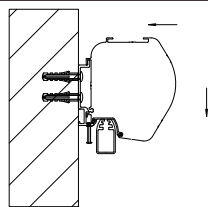
▶ Wall Mount

⚠ **Warning**

▪ When installed on the wall, be sure to make the installation points on the same level, and keep balance with the wall after the screen opens.

1

1.Install the back-buckle hanger horizontally and firmly on the solid wall with the concrete anchors or plastic wall plugs combined with the self-tapping screw (if on wooden wall, directly uses the self-tapping screws).

2



2.Wall mount method, uplift the screen, so that the back buckle of the screen is aligned with the back-buckle hanger on the wall, the screen will go down because of gravity, then hear a click, means the installation is completed.

3
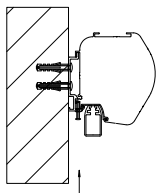
3.Anti-loose safety lock: when the screen has been installed on the back-buckle hanger, lock the safety screw according to the position shown in the figure, can prevent falling.

4
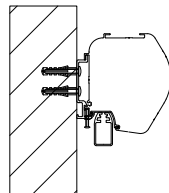
4.The figure shows the screen was installed safely and locked.
5.Remove the screen by reversing operation according to the steps above.

▶ Ceiling Mount

⚠ **Warning**

▪ When install on the ceiling, the ceiling or wall must be ensured to have sufficient bearing capacity to avoid the screen falling off and resulting in accidents and injuries.

1

2

1.Take out the screen and slide the 2 ceiling-mount hangers on the top of the housing to both ends. As shown in Figures 1 and 2.

3

4

2.Install vertically the top bracket on the ceiling with the concrete anchors or plastic wall plugs combined with the self-tapping screw (if on wooden ceiling, directly uses the self-tapping screws).

Installation

▶ Ceiling Hoisting

⚠ Warning
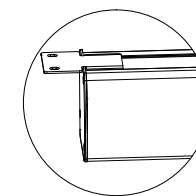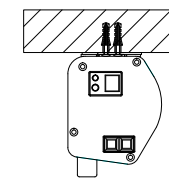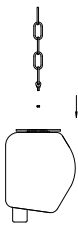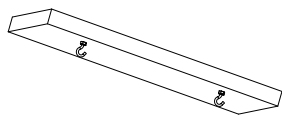
▪ When install, the ceiling or wall must be ensured to have sufficient bearing capacity to avoid the screen falling off and resulting in accidents and injuries.
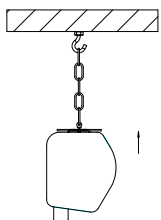
1

1.Fix the lifting ring through the ring holes on the ceiling-mount hangers.

2

2.Fix the top hooks on the same straight line on the solid top wall. (Straight the hooks)

3

3.If it is a high ceiling, use a chain or wire rope to connect the top hooks with the safety buckle.
(Note: This installation requires 2 people to install for security reasons)

4
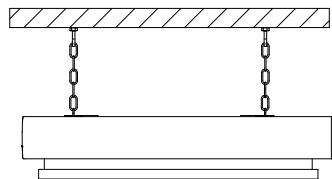
4. The installation is completed as shown above.

Usage

—— Motorized screen usage methods ——

Motorized screen operation modes include on-off control and remote control.

1. On-off control
When switch to "DOWN", the motorized screen goes down.
When switch to "UP", it goes up.
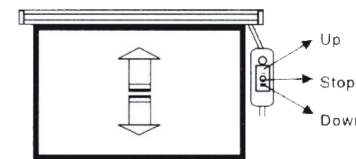
2.Internal wireless remote control/external wireless remote control/infrared remote control are optional.

UP
STOP
DOWN

Open the screen:
Press "DOWN", the screen will lower to the preset position.

Close the screen:
Press "UP", the screen will close automatically.

Stop the screen
Press "STOP", the screen will stop automatically.

Multiple remote control modes

1 Wireless remote control
The remote control distance
can reach up to 50m, no direction limit.

2 IR remote control
The remote control distance
is within 8m, and ±60° direction limit.

Built-in circuit board port introduction

12V trigger port

IR port

6P network cable port
From left to right
1: RS485-B
2: RS485-A
3: manual control UP
4: manual control STOP
5: manual control DOWN
6: manual control common
line

Power port
N: null line
E: earth line
L: live line

Emergency
control
DOWN port
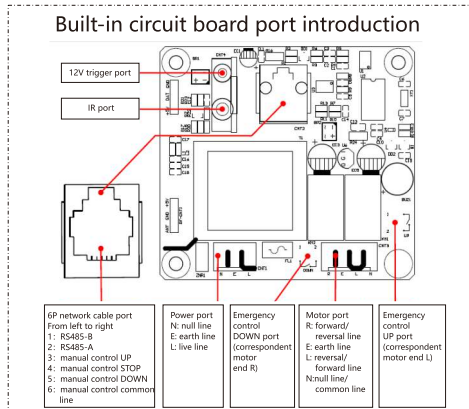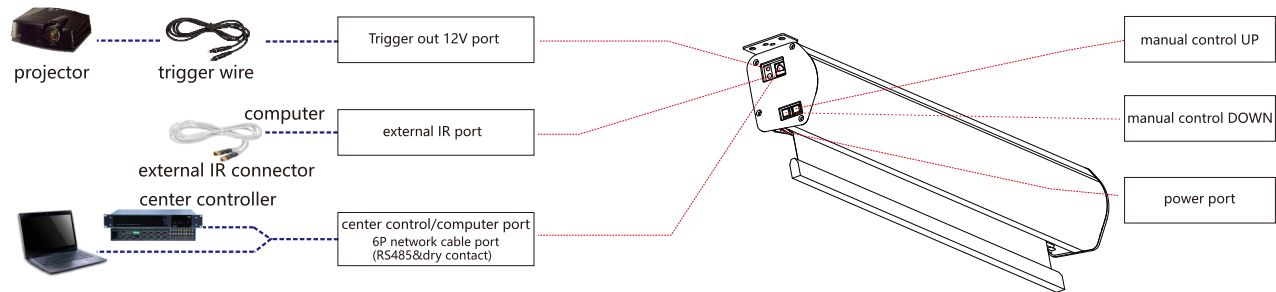(correspondent
motor
end R)

Motor port
R: forward/
reversal line
E: earth line
L: reversal/
forward line
N:null line/
common line
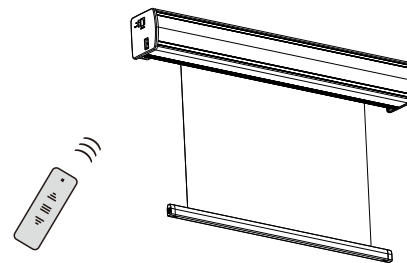
Emergency
control
UP port
(correspondent
motor end L)

3 End cover control
Must stand near the end cover, even need to stand on a chair or
a ladder according to the screen's installation height.

projector   trigger wire

Trigger out 12V port

computer

external IR port

external IR connector
center controller

center control/computer port
6P network cable port
(RS485&dry contact)

manual control UP

manual control DOWN

power port

Built-in remote control code learning steps

1. Long press UP on the remote controller in 5 seconds, and switch on the
receiver power, then you will hear the receiver buzzes slowly, enter the
code learning state.
2. Within 5 seconds after the receiver buzzes slowly, release UP.
3. then short press and release UP, then you will hear the receiver buzzes 3
times fastly, code learning is completed.

External DC/AC 12V power control

A: DC/AC 12V from 0 to 1, the motor goes down automatically，
B: DC/AC 12V from 1 to 0, the motor rises automatically，
C: Input voltage range：DC/AC 5V —— DC/AC 20V.

Control

Central Control

A   RS485 port settings
1) Baud Rate: 2400
2) Data Length: 8
3) Parity Check: N
4) Start Bit: 1
5) Stop Bit: 1

B   Control Code
1) UP command：0xFF0xAA 0xEE 0xEE 0xDD
2) STOP command：0xFF0xAA 0xEE 0xEE 0xCC
3) DOWN command：0xFF 0xAA 0xEE 0xEE 0xEE

C   Function Control
1) UP command motor UP
2) STOP command motor stop
3) DOWN command motor down

Remote control fault confirmation and troubleshooting

Fault condition	Fault Analysis	Solutions
When operate the transmitter, the indicator light flashes, but the receiver does not respond.	1.The receiver is wired correctly or not 2.Check if the transmitter is coded	1.Connect the wires correctly according to the user manual. 2.Make right code-matching between the transmitter and the receiver.
The transmitter and receiver work properly, but the motor doesn't work.	The motor is wired correctly or not	Connect the wires correctly according to the user manual.
Remote control is insensitive or no response.	The battery in the remote control dies	Replace a new battery

Fault and maintenance

Screen fault confirmation and troubleshooting

Condition	Condition confirmation	Solution
The lifting of screen has no response	the battery of the remote control dies	replace a new battery
	the power cable is not connected	make sure the proper power is connected
	running for a long time causes the overheat protection of the motor	stop running, let the motor cool down, about 15 minutes, and try it again.
The screen is lower than the preset position or doesn't close completely.	the stroke moves	Adjust the upper stroke and lower stroke according to the user manual.

Stroke adjustment

It is forbidden to adjust the stroke personally, it must be carried out under the guidance of professionals, please contact the seller or manufacturer.