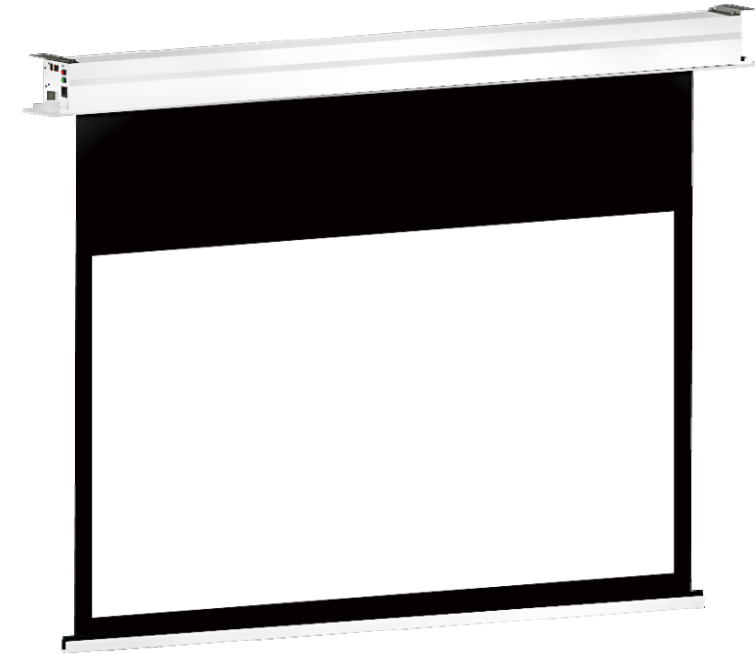


## User Manual of Motorized Recessed In-Ceiling Projection Screen



Note: Please follow the instructions in this manual and keep it for future reference.

## Matters Needing Attention

### Important Note

Warning Please observe the following instructions, as incorrect installation and improper use may lead to mechanical failure or personal injury.

#### Installation Notes

1. Please handle with care to avoid damage.
2. Do not use in a wet environment.
3. Keep away from fire/heat.
4. Do not attempt to service or modify this unit without professional assistance.
5. Make sure the voltage is consistent. Incorrect connection of wires may result in leaks or fires.
6. To avoid damaging the screen, do not fold the screen or touch the screen directly with your hands, tools, or any other abrasive/sharp object.
7. When not in use, retract the screen to protect the optical surface.
8. Do not run the screen continuously as the motor has an anti-overheating function and will shut down.
9. Keep the screen horizontally.



When installing or repairing please use a professional.



Please do not take off the head-caps to avoid electric shock.

- We will not be responsible for damages done due to user error or false operation.

**Please do not adjust the limit by yourself**

#### Cleaning

Do not use detergents or harsh chemicals to clean screen material. A soft cloth and mild soap can clean dust and dirt off the screen material. A cotton cloth can be used to gently wipe dust off of the screen.

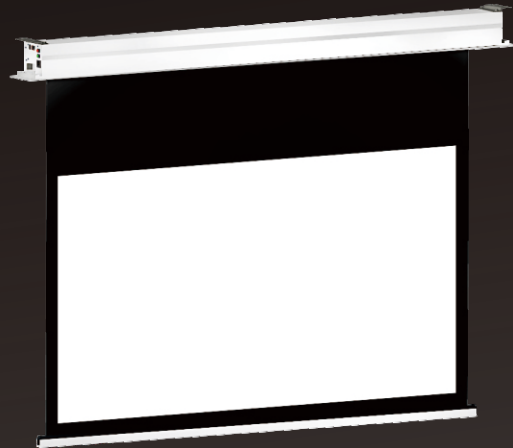
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## Introduction

### Motorized Ceiling Recessed Screen

Elegant appearance can perfectly match the application environment; user-friendly separated structure; built-in patented anti-vibration block and super silent tubular motor can effectively reduce the noise by 80%; hidden elasticity design ensures the screen merge with the ceiling when not in use.



### Fashionable and Practical

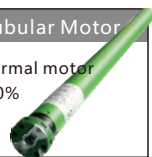
Excellent designs and stylish concepts make it fashionable and elegant. The both-side trim panels are installed with special design, easy to operate.

### High Performance

It is equipped with high-speed high-performance silent tubular motor and anti-vibration system.

#### Super Silent Tubular Motor

50% faster than normal motor  
Reduce noise by 80%  
5 times life time

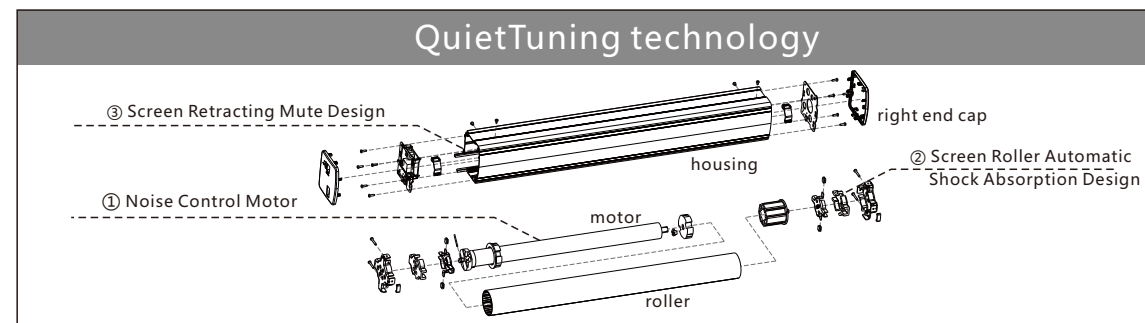


Remote Control Transmitter

## Introduction

### This product adopts QuietTuning technology:

- 1.Noise Control Motor: Anti-vibration silent tubular motor
- 2.Screen Roller Automatic Shock Absorption Design: Moving parts and fixed parts are connected, so the vibration of moving parts is absorbed, to reduce noise and vibration caused by resonance of motor and the casing.
- 3.Screen Retracting Mute Design: The built-in sound-absorption strip can reduce the noise caused by the movement of the screen and the casing.



## Luxury Aluminum Casing Motorized Screen

### Standard Configuration

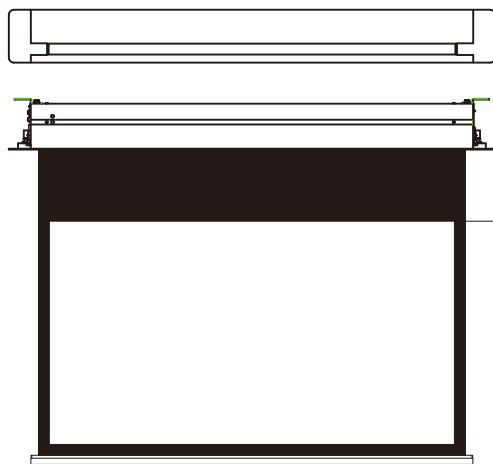
Screen: HD Screen

Motor: high quality synchronous motor, stable and durable

Casing: Aluminum Casing



Remote Control Transmitter (Optional)



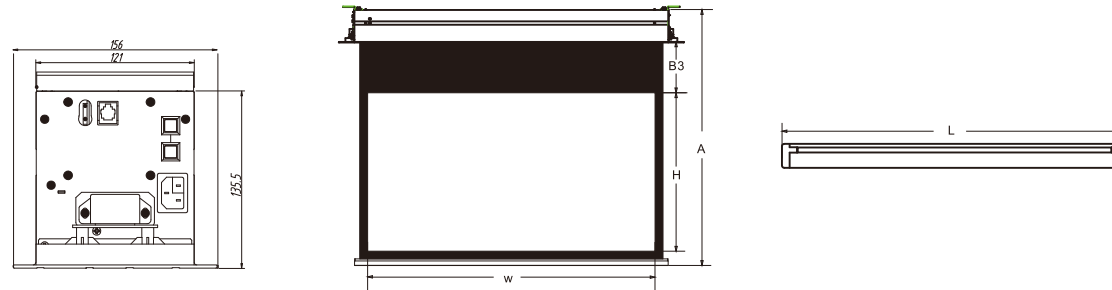
### Appearance Design

Delicate and exquisite appearance, and aluminum casing are suitable for modern family.

### Stable Motor

Equipped with high quality synchronous motor, to ensure smooth operation.

## Screen Parameter



Format	Size	View Area		Top Black Border	Total Height	Total Length L (mm)		slotting Length (mm)		slotting Width (mm)	Package Size (mm)		Weight (KG)
		W (mm)	H (mm)	B3 (mm)	A (mm)	Standar	Tensioned	Standar	Tensioned		Standar	Tensioned	
4:3	80" (1625*1219)	1625	1219	400	1850	2000	2165	1975	2140	132	211*223*2150	211*223*2315	18
	100" (2032*1524)	2032	1524	250	2000	2407	2572	2382	2547	132	211*223*2557	211*223*2722	21
	120" (2438*1828)	2438	1828	150	2207	2813	2978	2788	2953	132	211*223*2963	211*223*3128	24
	150" (3048*2286)	3048	2286	100	2615	3423	3588	3398	3563	132	211*223*3573	211*223*3738	29
	160" (3251*2438)	3251	2438	100	2767	3626	3791	3601	3766	132	211*223*3776	211*223*3941	30
16:9	170" (3454*2590)	3454	2590	100	2949	3829	3994	3804	3969	132	211*223*3979	211*223*4144	32
	80" (1771*996)	1771	996	625	1850	2146	2311	2121	2286	132	211*223*2296	211*223*2461	19
	92" (2036*1145)	2036	1145	475	1850	2411	2576	2386	2551	132	211*223*2561	211*223*2726	21
	100" (2213*1245)	2213	1245	375	1850	2588	2753	2563	2728	132	211*223*2738	211*223*2903	22
	110" (2435*1369)	2435	1369	400	1998	2810	2975	2785	2950	132	211*223*2960	211*223*3125	23
	120" (2656*1494)	2656	1494	280	2003	3031	3196	3006	3171	132	211*223*3181	211*223*3346	25
	130" (2877*1618)	2877	1618	150	1997	3252	3417	3227	3392	132	211*223*3402	211*223*3567	26
	135" (2988*1681)	2988	1681	150	2060	3363	3528	3338	3503	132	211*223*3513	211*223*3678	27
	150" (3320*1867)	3320	1867	150	2246	3695	3860	3670	3835	132	211*223*3845	211*223*4010	30
	160" (3542*1992)	3542	1992	150	2371	3917	4082	3892	4057	132	211*223*4067	211*223*4232	32
	170" (3763*2116)	3763	2116	150	2495	4138	4303	4113	4278	132	211*223*4288	211*223*4453	34

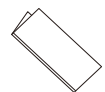
# Installation

## Part Included

Our company reserves the right to the accessories contained in this manual, and we are subject to change without notice.



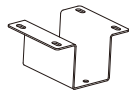
Screen(1)



User Manual(1 pcs)



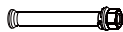
Controller(1 pcs)  
(Optional)



Ceiling Bracket (2 pcs)



Screen Bracket (2 pcs)



Anchor Bolt (8 pcs)



Spirit Bubble (1 pcs)



Adjustment Tool (1 pcs)



Threaded Mounting Rod (4 pcs)



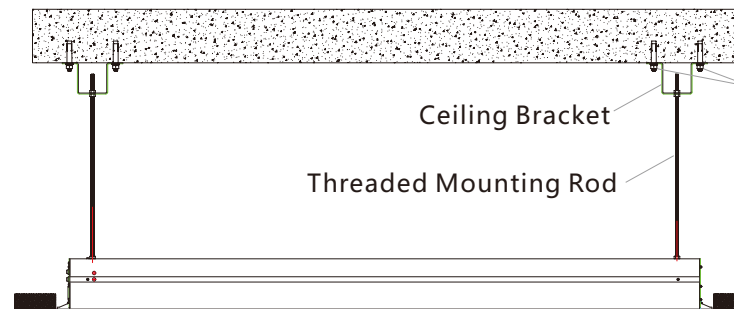
Hex Nut (12 pcs)

# Installation

## ► Method 1: Hanging Installation

### ⚠ Warning

Always ensure that the ceiling can support the weight of the screen, in order to avoid the screen from falling off and lead to injuries.

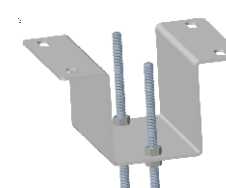
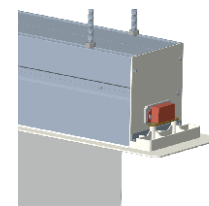


Ceiling Bracket

Threaded Mounting Rod

Anchor Bolt

- 1.Install the threaded mounting rods on the top of the screen casing.
- 2.Attach the threaded mounting rods to the ceiling bracket using the nuts provided.
- 3.Drill the holes for the anchor bolts on the ceiling.
- 4.Attach the ceiling bracket to the ceiling in the desired location.
- 5.Adjust the position of the screen after hand tightening all the nuts.



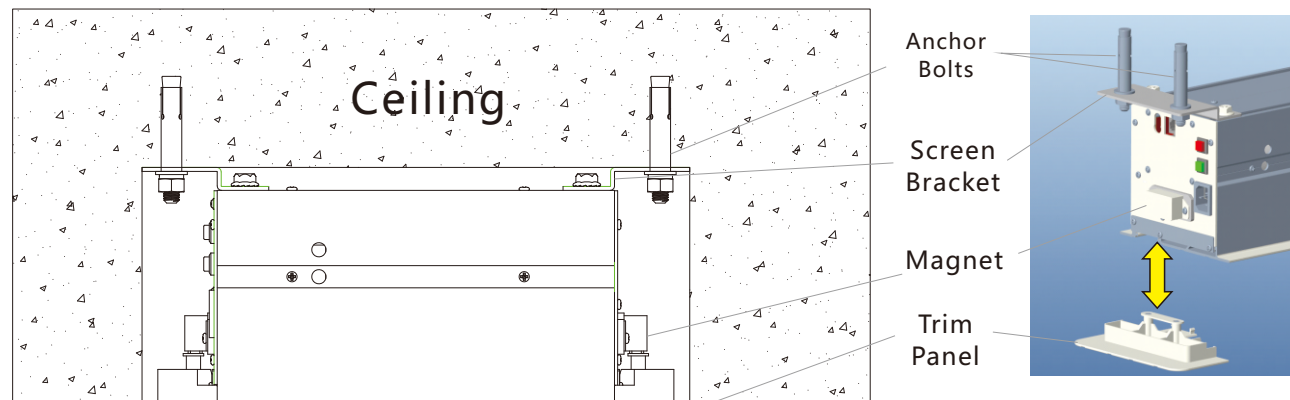
Note: This installation method is suitable for concrete ceiling or wooden ceiling.

## Installation

### ► Method 2: Concealed Installation

#### ⚠ Warning

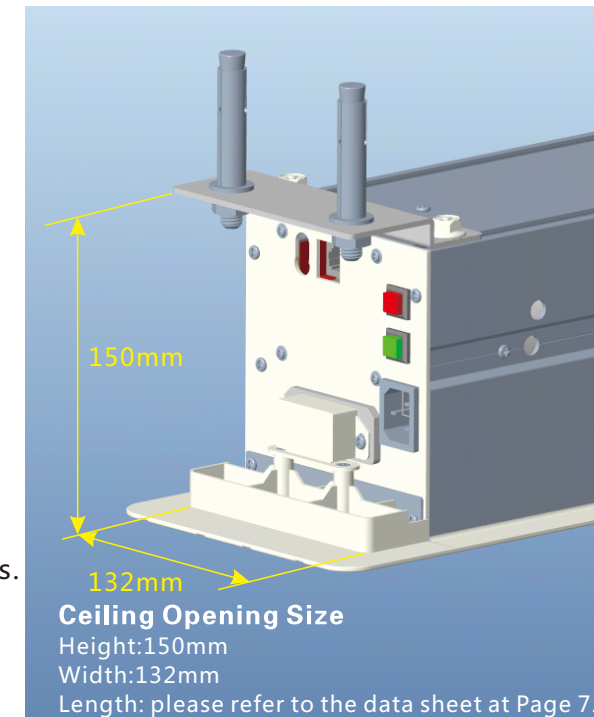
Always ensure that the ceiling can support the weight of the screen, in order to avoid the screen from falling off and lead to injuries.



Front View(After installation)

## Installation

1. Install the screen brackets on the top of the screen casing.
2. Mark the position of the 4 pcs of anchor bolts on the ceiling.
3. Drill the holes for the anchor bolts on the ceiling.
4. Demount the trim panels and attach the screen to the ceiling with the anchor bolts.
5. Mount the trim panels.



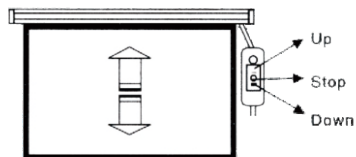
# Usage

## How to Use

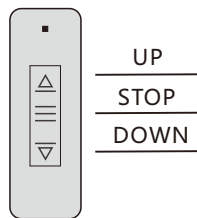
Manual control and remote control are optional for motorized screens.

### I. Manual Control:

Use the manual switch to control the screen up and down.



II. Built-in RF Remote Control / External RF Remote Control / IR Remote Control are optional for motorized screens.



1. Press the "Down" button and the projection surface will lower itself. When it is fully extended it will stop automatically.
2. Press the "Up" button and the projection surface will retract into its case. When it is fully retracted it will stop automatically.
3. Press the "Stop" button to stop manually at an intermediate position.

# Remote Control

## Introduction of Different Control Mode

### 1 RF Remote Control

Control distance up to 50m, no limit to direction



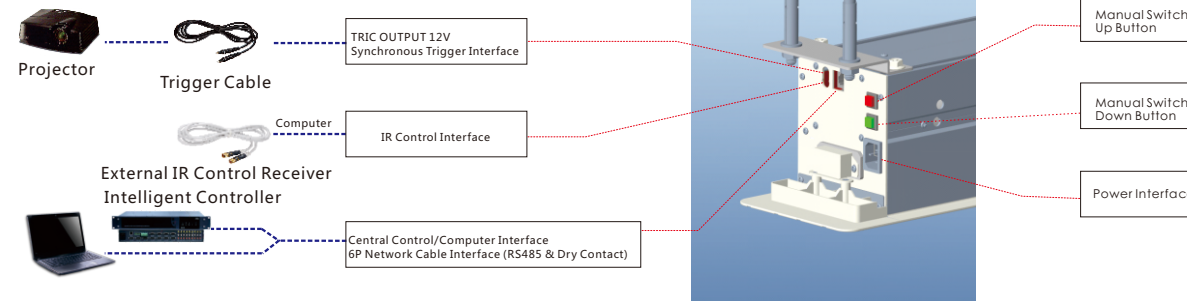
### 2 IR Remote Control

Control distance 8m, limit to direction  $\pm 60^\circ$



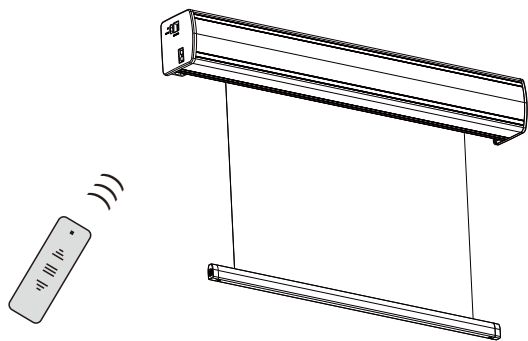
### 3 End Cap Control

Control distance 8m, limit to direction  $\pm 60^\circ$



## Remote Control

### How to Program the Remote Control



(The remote control has been set up at the factory and should work right away.  
If this is not the case, you will need to program the remote. )

- 1.Press the "Up" button for 3 seconds and plug in the receiver. The receiver buzzer will ring which indicates pairing mode has been entered.
- 2.Stop pressing the "Up" button when the buzzer rings.
- 3.Press the "Up" button and then release. When the buzzer rings for 3 times quickly, the remote pairing function is complete.

## Remote Control

### DC/AC 12V Power Control

- A.DC/AC 12V from off to on, the screen will lower itself automatically.
- B.DC/AC 12V from on to off, the screen will retract automatically.
- C.Input Voltage Range: DC/AC 5V--DC/AC 20V



## Central Control

### A.RS485 port setting

- 1)Baud Rate: 2400
- 2)Data Length: 8
- 3)Odd-even Check: N
- 4)Start Bit: 1
- 5)Stop Bit: 1

### B.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

### C.Function Control

- 1) "Up" Command: The screen will go up.
- 2) "Stop" Command: The screen will stop.
- 3) "Down" Command: The screen will go down.

## How to Check and Remove the Fault

Fault	Analysis	Solution
Indicator light of the transmitter flashes but the receiver doesn't respond.	1.Check the wiring is connected correctly or not. 2.Check the transmitter is coded or not.	A.Connect the wire based on the manual B.Match code between the transmitter and the receiver
The transmitter and the receiver work properly but the motor doesn't work.	Check the motor wiring is connected or not.	Connect the wire based on the manual
Remote control is not sensitive or has no response.	Check the batter of the remote controller has run out of power or not.	Replace a new battery

## Common Faults and Maintenance

### How to Check and Remove the Fault

Phenomenon	Analysis	Solution
The screen has no response while controlling.	Battery is run out of.	Replace new battery
	Power line hasn't been connected.	Ensure the power line is connected.
	When the motor runs for an extended period, the motor will stop working for prevent overheating which cause damage to the motor.	Stop operating, wait 15-20 minutes for the motor to cool off and continue use. Adjust the screen limit.
The screen is lower than the setting position or not retracted completely.	Screen limit has changed.	

### How to Adjust the Screen Limit

Please contact the professional for help. Do not adjust the screen limit by yourself.