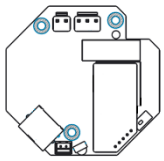
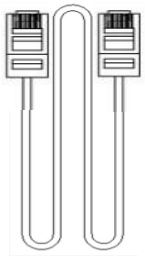
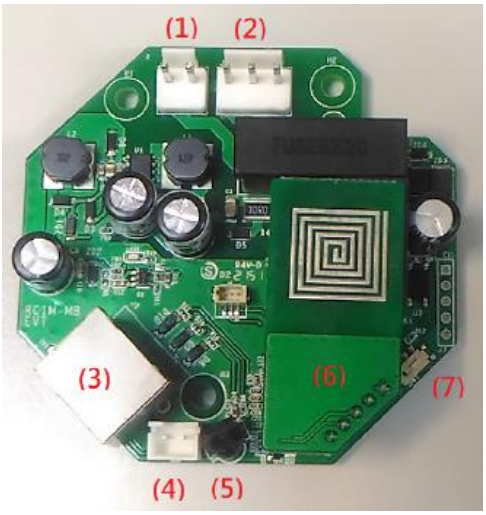
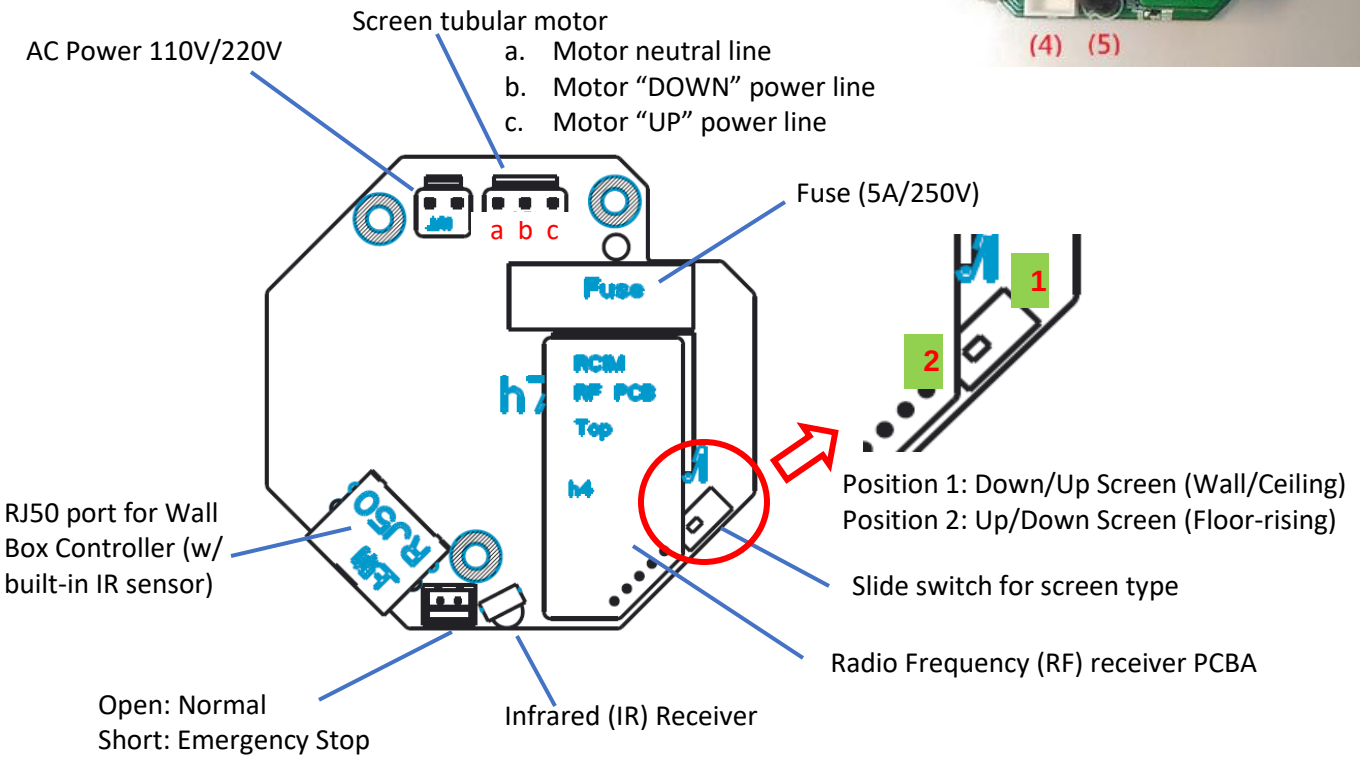
User's Guide | ZRC1-CKT-XY-F

A. Circuit board ZRC1-CKT-X/ ZRC1-CKT-Y	B. IR Remote ZRC1-IR	C. RF Remote ZRC1-RF	D. Wall box controller ZRC1-WB	E. RJ50 cable ZRC1-RJ50
				

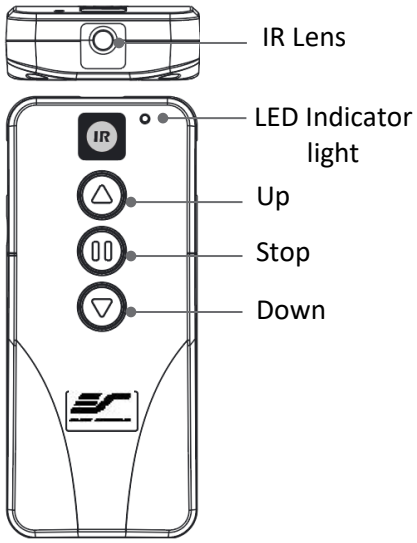
1. Circuit Board | ZRC1-CKT-X/ZRC1-CKT-Y



1: Connection port for 110V AC Power
2: Connection port for electric screen tubular motor
3: RJ50 port for connecting wall box controller
4: Emergency stopper
5: Infrared signal receiver
6: Radio Frequency signal receiver **(Only with ZRC1-CKT-Y)**
7: Switch for selecting screen type
- Position 1 (Right) = Down/UP Retractable Wall/Ceiling Screen
- Position 2 (Left) = Up/Down Retractable Floor Screen



2. Infrared Remote Control | ZRC1-IR



IR Remote control operation:

Requires 2x AAA batteries to operate **(not included)**

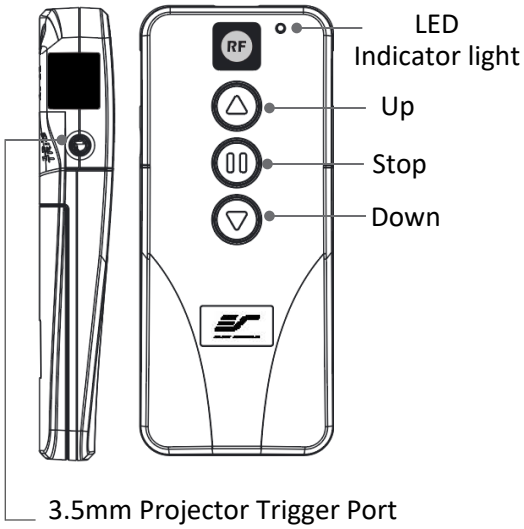
The Infrared remote functions by direct line of sight contact using an effective beam range of 25 feet within a 30-degree angle.

Aim the IR remote directly at either the IR receiver on the Wall Box Controller or on the screen to operate the screen.

- UP button = Moves the screen up
- STOP button = Stops the screen
- DOWN button = Moves the screen down

Note: Assure there is no obstruction between the IR remote and IR receiver.

3. Radio Frequency Remote Control | ZRC1-RF



Radio Frequency remote operation:

Requires 2x AAA batteries to operate **(not included)**

The Radio Frequency Remote Control communicates using radio waves which eliminates the need for a direct line of sight and has a longer distance control range.

- UP button = Moves the screen up
- STOP button = Stops the screen
- DOWN button = Moves the screen down

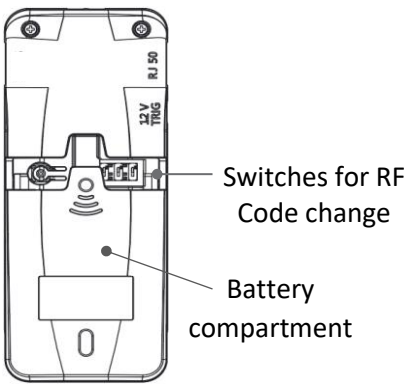
How to synchronize/pair a new RF remote:

- Press & hold the "**Programming Key**", then press the "**Up Key**" on the **Wall box controller** (wall-box LED flashes). ***Reference the wall box controller section for programming key location.***
- Then press the "**Up Key**" on the **RF remote**.
- The **Wall box** LED will flash 5 times, to indicate the RF remote has been properly synchronized/paired.

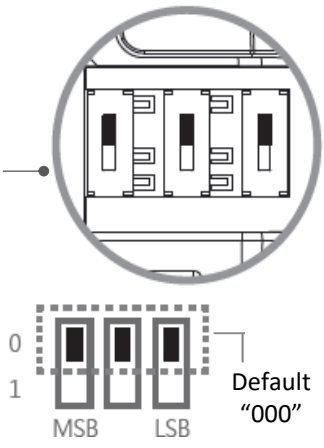
How to change the RF code

Changing the RF code avoids controlling multiple screens at the same time and prevents electrical interference leading to accidental control of the screen.

1. Remove the batteries
2. Change the RF code switch
3. Insert the batteries
4. Synchronize it with the wall box controller



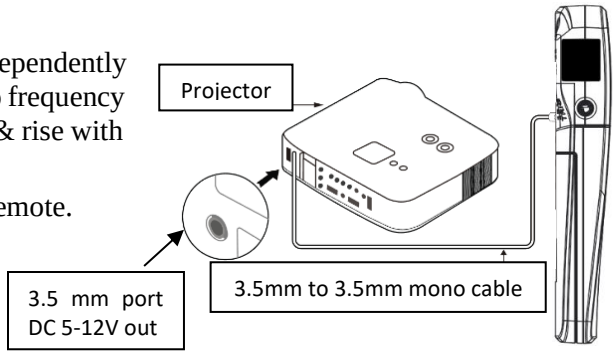
RF Remote BACK VIEW



How to use the wireless 5-12 volt trigger feature

Requires a 3.5mm to 3.5mm **mono** cable (not included).

The Radio Frequency (RF) remote control serves as a dual purpose, independently as a handheld remote control, or as a Wireless 12-volt trigger. The radio frequency technology sends a wireless signal that synchronizes the screen's drop & rise with the projector's power cycle.



Step 1: Connect one end of the 3.5 mm mono trigger cable to the RF remote.

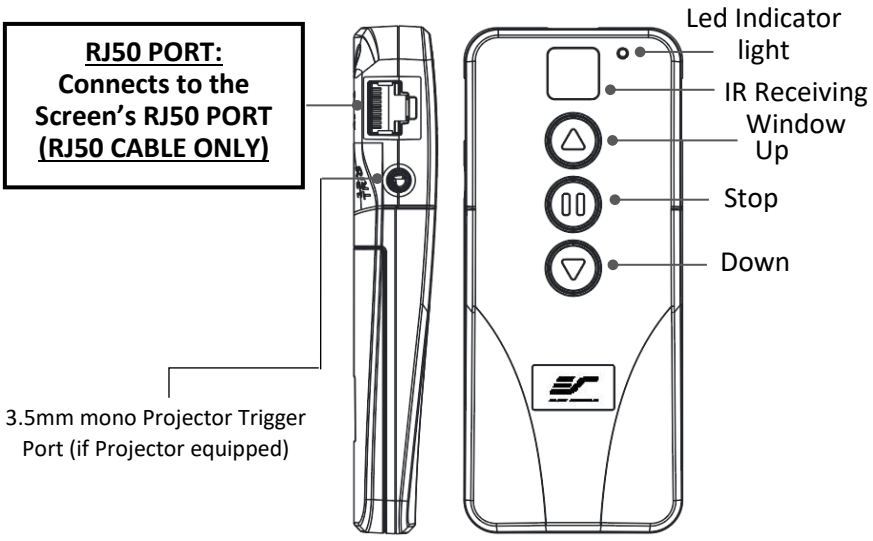
Step 2: Connect the other 3.5 mm mono end of the cable to projector.

- Projector on, screen drops
- Projector off, screen raises

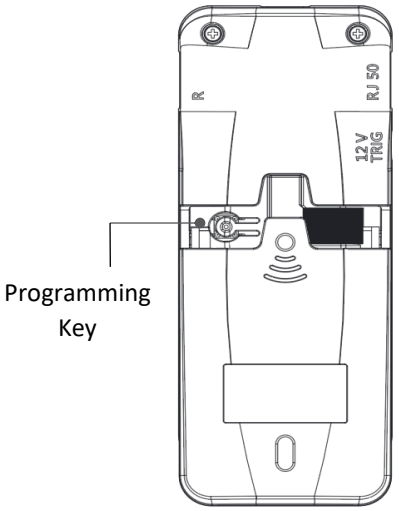
Please be aware, the projector on/off cycle may take longer to fully activate. It usually takes around 20- 30seconds for full off and on cycle each time.

Note: If the wireless trigger feature does not work, please resync the RF remote to the Wall box controller per the instructions in the Radio Frequency remote section.

4. Wall Box Controller | ZRC1-WB-W1



SIDE VIEW

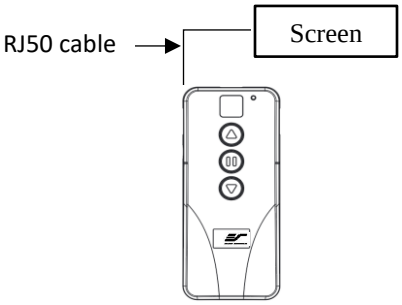


Wall box controller BACK VIEW

Wall box controller operation:

The wall box controller switch is a wall mounted control box with an up/stop/down button. It plugs directly into the screen's RJ50 port for manual control operation.

- UP button = Moves the screen up
- STOP button = Stops the screen
- DOWN button = Moves the screen down



How to use the Wired 5-12 volt trigger

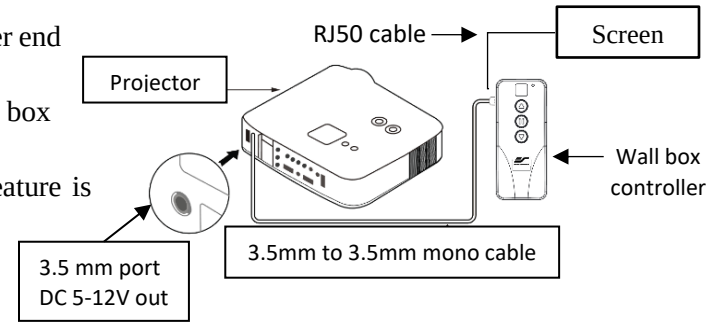
Requires a 3.5mm to 3.5mm mono cable (not included)

Step 1: Connect one end the RJ50 cable to the screen and the other end to the Wall box controller.

Step 2: Then connect one end the 3.5mm mono cable to the wall box controller and the other to the projector.

Once the two cables have been connected, the wired trigger feature is ready to synchronize the screen's up/down operation with the projector's power cycle.

- Projector on, screen drops
- Projector off, screen raises



ADVANCED Programming Key Instructions: (FOR ADVANCED USERS ONLY)

❖ Wall box controller must be connected to the screen.

ATTENTION: Reducing the factory's full screen drop may produce waves/wrinkles on the projection surface on tab-tension screens. The full drop is recommended to allow the screen to rely on the tab-tension system to maintain the projection surface flat and taut on all sides.

The same applies on non-tensioned screens, although some level of waves may be present due to the nature of the screen not being tensioned. If wrinkles/waves develop after making the adjustment to the desired drop position, reset it to the factory's default position per the instructions below.

FLATNESS AFFECTED BY NEW PROGRAMMED VERTICAL POSITION IS NOT COVERED UNDER A REPLACEMENT WARRANTY.

1. Preset the Screen's Drop Position:

Use the RF/IR remote or Wall Box Controller to Drop the screen to the desired position you want to set it at.
Press & hold the "**Programming Key**", then press the "**Down key**" on the Wall Box Controller. The LED will flash 5 times to confirm new programmed drop position.

PROGAMMING NOTE:
The programmed vertical position relies on a time-count which adjusts itself according to the programmed timed difference. Multiple up/down programming will result in the vertical position being off a few inches. It is recommended that programming is done the **first-time** the desired vertical position is determined or RESET it to factory default and programming the desired vertical position afterwards.

2. Clear/Reset the Screen's Drop Position to factory default:

Press & hold the "**Programming Key** + "**Stop key"** on the wall box controller.

For more information or technical support please visit contact us at techsupport@elitescreens.com