WIRELESS REMOTE SPEED CONTROLLER

USER GUIDE

PLEASE READ THESE INSTRUCTIONS BEFORE USE

WELCOME

Thank you for choosing our Wireless Remote Speed Controller! With this set you can manage the speed of your EC fan from 15 meters away.

Please note, this remote controller is designed to work with EC fans of all sizes, we do not guarantee or recommend using this remote with fans from other manufacturers.
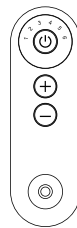
WIRELESS REMOTE

RECEIVER
ANTENNA

RECEIVER ANTENNA WITH 15 METERS COVERAGE RANGE
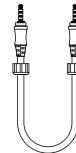
CONNECTION CABLE WITH 2XTRRS 3.5MM MALE JACKS

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USER MANUAL

CR2032
+
LITHIUM BATTERY

2 X BUTTON CELL BATTERIES (CR2032). (1 X PRE-INSTALLED IN REMOTE. 1 X SPARE BATTERY).

3M
3M
3M
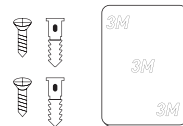
MOUNTING HARDWARE

WIRELESS REMOTE BUTTONS
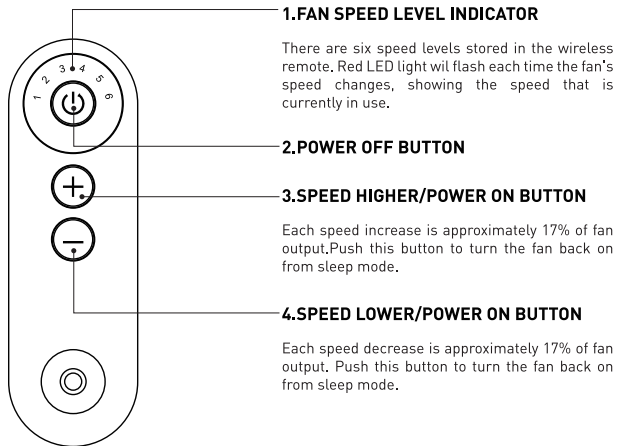
1.FAN SPEED LEVEL INDICATOR

There are six speed levels stored in the wireless remote. Red LED light wil flash each time the fan's speed changes, showing the speed that is currently in use.

2.POWER OFF BUTTON

3.SPEED HIGHER/POWER ON BUTTON

Each speed increase is approximately 17% of fan output.Push this button to turn the fan back on from sleep mode.

4.SPEED LOWER/POWER ON BUTTON

Each speed decrease is approximately 17% of fan output. Push this button to turn the fan back on from sleep mode.

PRODUCT TECHNICAL DETAILS

|	
Material	FR4 Fiberglass
Frequency	433.92 MHz (ASK Modulation)
Transmitting Power	13 dBm
Working Voltage	2.2-3.6V
Battery	CR2032 (Button Cell)
Working Current	8mA
Stand-by Current	<10uA
Working Temperature	0°F-140°F (-20°C to 60°C)
Control Range	15 Meters

RECEIVER ANTENNA INSTALLATION AND WIRELESS REMOTE PAIRING

• Before installation, disconnect your EC fan from the power source.

• When the fan is powered off, connect the receiver antenna to the fan's speed controller port using the provided TRRS connection cable.

• Connect your fan to power. Once the fan is powered up, you will hear a long beep from the receiver antenna indicating that the connection is successful.

• Within the first 5 seconds from power up, press and hold the "+" or "-"button on the wireless remote for 3 seconds to pair it with the receiver antenna. Once pairing is complete, the receiver antenna will make another long beep indicating that the pairing settings have been stored.

• Once the receiver antenna is paired with the remote, pressing the "+" or "-"button will adjust the speed of the fan by one level up or one level down. Each speed level change is followed by a single short beep from the receiver antenna and a red LED flash on the top of the remote. The position of the red LED flash changes based on the selected speed level (between 1 and 6).

PARING ONE REMOTE TO MULTIPLE FANS

• You can pair multiple EC fans to a single remote control. This will allow you to power on/off and adjust the speed of multiple fans with one wireless remote.

• To pair multiple fans to one wireless remote, you will have to repeat the pairing process with each individual fan. Begin by turning on your first fan and within the first 5 seconds from power up, press and hold the"+"or"-"button on the wireless remote for 3 seconds. Next, repeat this process with the second fan using the same wireless remote, which was paired to the first fan. Repeat the process for all additional fans you want to pair with the same wireless remote.

• You can pair up to 50 EC fans to the same wireless remote using the method outlined above.

• Although the receiver antenna stores the last paired remote settings, when needed, you can pair a new wireless remote unit to your receiver antenna.

• If you wish to pair your fan's receiver antenna to a new wireless remote, disconnect your fan from power for 10 seconds and follow the pairing process steps using your new wireless remote.

• If you want the opportunity to adjust each fan's speed individually, you must pair the receiver antenna of each individual fan to a different wireless remote. When multiple fans a repaired to one wireless remote, they will change speed simultaneously.

• Each receiver antenna can be paired to only one wireless remote at a time. It is not possible to have multiple wireless remotes paired to the same receiver antenna at the same time.

WIRELESS REMOTE FUNCTIONALITY

• The wireless remote allows you to select among 6 pre-programmed fan speeds based on the amount of airflow or sound output best suited for your application. These speed levels correspond to the following levels of motor output:

- • **OFF** = 0% Output
- • **Level 1** = 15% Output
- • **Level 2** = 32% Output
- • **Level 3** = 50% Output
- • **Level 4** = 67% Output
- • **Level 5** = 83% Output
- • **Level 6** = 100% Output

• To estimate your fan's output at any speed level, multiply your fan's maximum output CFM by the percentage number corresponding to your selected speed level.