
HAMMERHEAD RTS PROGRAMMING INSTRUCTIONS

ALUTECH 
shutter and shade solutions

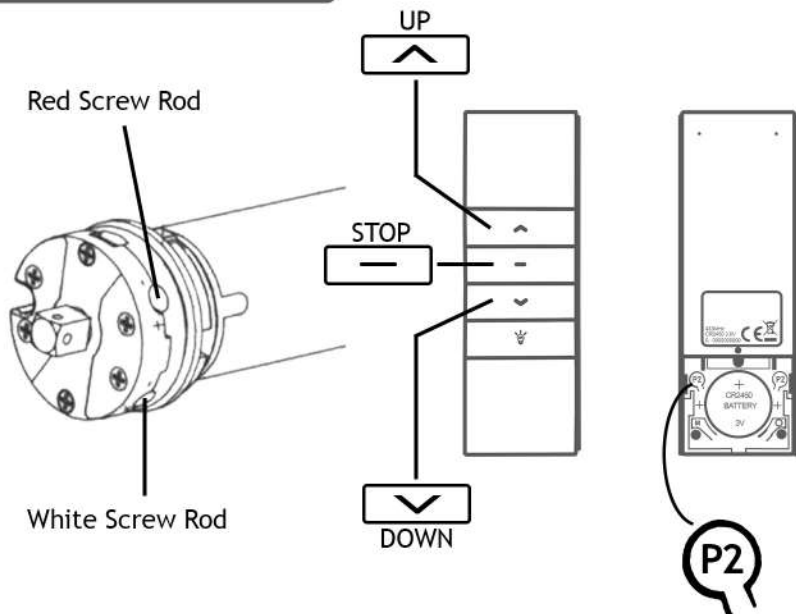


Important Safety Instructions To Be Read Prior To Operation

Attention

1. Pls isolate the spare wires with the wiring joint cap or insulation tape.
2. Operation:
 - Pls operate the buttons within 4S, the emitter will exit the setting if no operation within 4S.
 - The motor will beep or jog as reminder after every setting step, pls operate next step after the reminder.
3. If lose the paired emitter, just pair the new one.
4. One motor can store max. 20 channels, after fully stored, if pair new emitter channel, only the last one will be covered circularly.

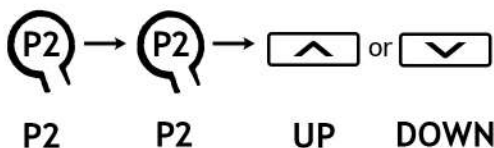
Button Instructions



Essential Settings

Step 1 to 2 must be completed to ensure proper operation.

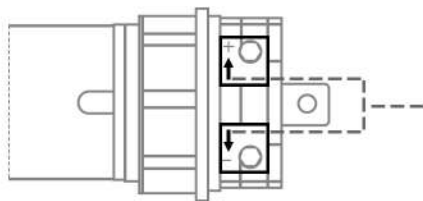
1 Pairing



Power on the motor (1 long beep and 1 jog), within 6S, press P2 (1 beep and 1 jog), and press P2 again (1 beep and 1 jog), press **UP** or **DOWN** (3 beeps and 1 jog), the motor has been paired successfully with emitter.

* When the motor powers on, if the motor has been paired, the motor will beep; if the motor has not been paired, the motor will beep and jog.

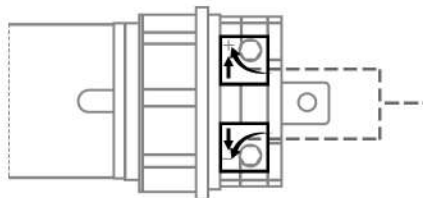
2 Upper and Lower Limits Setting



2 big arrows indicate turning direction of the roller, e.g.

If roller is turning upwards, tune black worm gear to adjust stop position.

If roller is turning downwards, tune white worm gear to adjust stop position.



2 small arrows with "+" & "-" indicate turning direction of the worm gear CCW/CW will extend or reduce the stop position. e.g.

Turn the black worm gear CW will move the upper stop position of the roller further up, it's plus "+" from rotation of roller, CCW to move the stop position down, it's a minus "-" from rotation of roller.

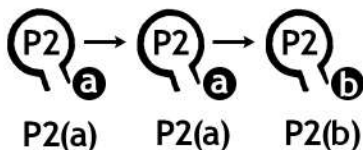
Tune the white worm gear CW will move the bottom stop position of roller further down, CCW to move the bottom stop position of roller up.

* Roller blinds can be tricky, roller may be rolling upwards, but blinds can actually move downwards. Ignore the blinds, only focus on the direction of the roller

To move stop position further towards the direction of the roller, turn towards "+" to increase.

To move stop position backwards from the direction of the roller, turn towards "-" to decrease.

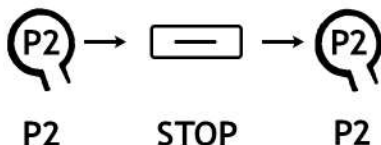
3 Pair Additional Emitter



Press P2 (1 beep and 1 jog) and P2 (1 beep and 1 jog) on existing emitter, press P2 on new emitter to add (3 beeps and 1 jog), new emitter is paired to the motor.

* (a) as existing emitter, (b) as new emitter to pair.

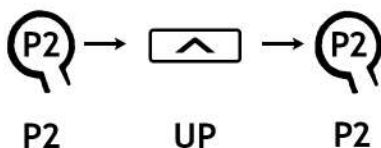
4 Deleting All Emitters



Press P2 (1 beep and 1 jog), press STOP (1 beep and 1 jog), and press P2 (3 beeps and 1 jog), all emitters are deleted.

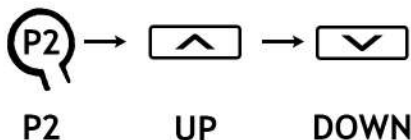
5 Activate / Deactivate Jog / Tilt Mode

Method one



Press P2 (1 beep and 1 jog), press UP (1 beep and 1 jog), and press P2 (3 beeps and 1 jog), the jog function is activated or deactivated.

Method two

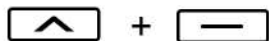


Press P2 (1 beep and 1 jog), press UP (1 beep and 1 jog), and press DOWN (3 beeps and 1 jog), the jog function is activated or deactivated.

* Ordinary emitter w/o tilt button: This function can be activated or deactivated by this operation. Short press UP or DOWN button, the motor will run in jog, long press more than 25s, the motor will run continuously; For emitter with tilt button, no need to operate.

6 Enable / Disable Sun Detection

1 Enable Sun Detection (factory default)



UP

STOP

Press UP and STOP buttons simultaneously once (3 jogs), Sun detection is enabled.

2 Disable Sun Detection



DOWN

STOP

Press DOWN and STOP buttons simultaneously once (1 jog), Sun detection is disabled.

7 Self-check Function

If the motor does not receive the self-check command from the wind-sun sensor for 30 minutes, the awning will be closed (the motor will be in a jog status after closed). After power on again, if no wind-sun sensor command is received, the self-check function will not be activated.

8 Wind-sun Sensor Control

When the motor receives the strong wind command from the wind-sun sensor, the awning will close within 3 minutes, and the emitter cannot control the sensor within 8 minutes (if the strong wind command is received again within 8 minutes, the motor cannot be controlled again for 8 minutes).

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2	Pair Additional Emitter	P2(a) > P2(a) > P2(b)
3	Deleting All Emitters	P2 > STOP > P2
4	Activate / Deactivate Jog / Tilt Mode	P2 > UP > P2
		P2 > UP > DOWN
5	Enable / Disable Sun Detection	UP + STOP
		DOWN + STOP

Troubleshooting

Settings	Possible causes	Solution
The motor has no response	Power failure or incorrect connection	Double check power and cable connections, follow wiring instructions
	Emitter battery is low capacity	Replace battery
	Radio interference / shielding	Check antenna on motor is intact and exposed. Check for possible source of radio interference.
	Out of radio control range	Try control within closer range
The emitter can't control single motor	Multiple motors are paired to the same channel	Always reserve an individual correctly (refer to motor functions)
		Try to use multi-channel emitters to control multi-motor projects, ensure each channel to control one single motor.
The motor doesn't run or starts too slowly or make loud noise	Connections are incorrect	Check connections
	Incorrect installation or overload	Check installation or overload
The motor stops during the going up or going down	The motor has reached the lower limit	Adjust the new lower limit
	Running time exceeds 4 minutes	Let the motor cool for about 20 minutes