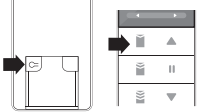


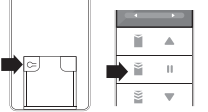
Set intermediate stop limits and 3 favorite positions

①



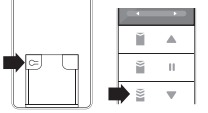
Press [Channel setting]+[Up tilt/75%], motor shakes, and then No. 1 favorite position was settled successfully. Default values is 75%.

②



Press [Channel setting]+[Horizontal position/50%], motor shakes, and then No. 3 favorite position was settled successfully. Default values is 50%.


③



Press [Channel setting]+[Down tilt/25%], motor shakes, and then No. 2 favorite position was settled successfully. Default values is 25%.


Show 3 favorite positions

①




When the motor is stopped, long press [Up tilt/75%] for 0.5s, and then motor will go up to the No. 1 favorite position you settled. Default values is 75%.

②



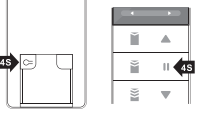
When the motor is stopped, long press [Horizontal tilt/50%] for 0.5s, and then motor will go to the No. 3 favorite position you settled. Default values is 50%.

③



When the motor is stopped, long press [Down tilt/25%] for 0.5s, and then motor will go down to the No. 2 favorite position you settled. Default values is 25%.

Delete limits




Long press [Channel setting]+[Stop] at the same time for 4s, clear all limits, LED light flash one time, and then motor shakes, it means that delete limits is successful.

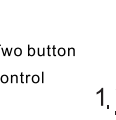
Control modes

The motor with dry contact interface which can offer three control modes, three modes switch rycle by the mode switch setting.

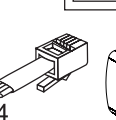
Three button control



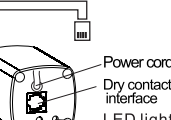
Two button control



Hold on control

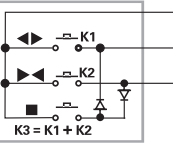


1 2 3 4



Power cord
Dry contact interface
LED light
Setting

Three button control



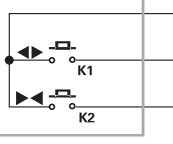
4 3 2 1 (Empty)

Action	K1	K2	K3
◀▶ (Open)	on	off	off
▶◀ (Close)	off	on	off
■ (Stop)	off	off	on

Action time must less tean 1S

$K3 = K1 + K2$

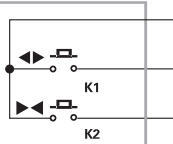
Two button control



4 3 2 1 (Empty)

Action	K1	K2
◀▶ (Open)	on	off
▶◀ (Close)	off	on
■ (Stop)	Press any button again	

Hold on control



4 3 2 1 (Empty)

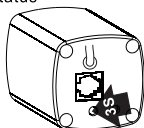
Action	K1	K2
◀▶ (Open)	on	off
▶◀ (Close)	off	on
■ (Stop)	off	off

Action time must continue

◆Change the control modes

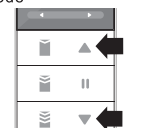
It can switch rycle by the mode switch setting.

①Enter into setting codes status



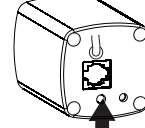
Press[Setting] button for 3 seconds till the light on.

②Send the control mode code



Press [open]&[close] button, the motor quivers few times.

③Confirmation



Press the[Setting] button again to confirm the operation.

Usual malfunction

Malfunction	Possible cause	Solution
Motor no action	Power supply failure	Check the power supply
Curtain can't close full	Remote direction is opposite curtain to running direction	Change direction with transmitter
	Limit error	Cut off the power and reset limit after 15 seconds
Switch no action	Phone cable failure	Check the phone cable
Control modes incorrect	Control modes match error	Execute mode and switch to appropriate mode
Remote control invalidation	Wrong channel setting	Reset the remote control channel
	Battery insufficiency	Change the battery
	Too far control range	Do not use the transmitter beyond the control range
Motor stops midway	Limit setting error	Reset again, the limit will be memorized
	Limit error	Cut off the power and reset limit after 15 seconds
	Too heavy fabric	Check the weight of the fabric if it's with in the range of load capacity
	Fabric blocked	Check if the track of the fabric is blocked
Abnormal system	Cut off the power for one minute to restore the motor	
Other malfunctions	Please contact your dealer	

Warranty

Series motor carry a five years warranty from the date of invoice. Factitious damage and dismantle are exclusive of warranty.

RAEX MACHINERY LIMITED

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MP46

New generation mechanical clutch technology
Mini Drapery motor Instructions Manual



Please read the specification carefully before install or use.
Please install and adjust the product by professionals.

RAEX MACHINERY LIMITED
GUANGDONG RAEX INTELLIGENT TECHNOLOGY CO.,LTD.

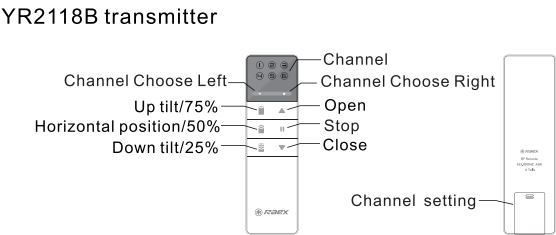
Main features

- ◆Quiet, DC motor.
- ◆Touch control technology, gently pulling the curtain to open or close.
- ◆Special mechanical clutch design with patent, manual operation in case of power failure.
- ◆Full automatic setting of the limits.
- ◆Touch control function can be switched on and off.
- ◆Slow start and slow stop function.
- ◆BUILT-IN radio receiver with network control.
- ◆Easy to install, easy to operate.
- ◆Compact aluminum track with electronicphoresis is available for straight and curve curtains.
- ◆Textile teeth belt is durable, can stand heavy curtains and frequent operations.
- ◆With dry contact interface, providing point of action, or even the movement pattern of remote control switch, facilitate the achievement of a variety of control modes.

Motor installation and disassembly

◆Motor installation	<div><div>1</div><div>2</div></div>
1.Put the motor shaft into the drive unit	
2.Turn the motor at 90 degree and make it parallel with the track	
◆Motor dismantling	<div><div>3</div><div>4</div></div>
1.Press and hold the clipping lock and push it up	
2.Turn the motor at 90 degree and take out the motor	

Remote control settings



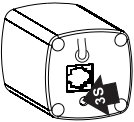
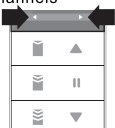
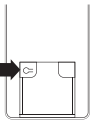
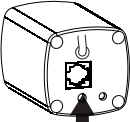


Basic remote control setting

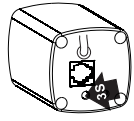
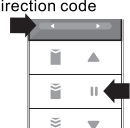
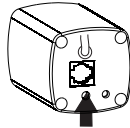
Before using the remote control function, the user must perform "Set remote channel" operation, in order to store the remote control channel into the controller.

If you need to make remote control channel invalid, you can perform the "Delete remote channel" operation.

When the rotating direction of motor is not same as the desired direction, you can do "Change the direction" operation for correcting it only by working with the transmitter.

- ★Attentions
- 1.Each motor can record max.16 channels, as soon as the motor receives remote control signal, it will act in response as setting.
 - 2.If two motors have to work together, please set the same channel for two motors. This operation won't affect the individual control function of each motor.
 - 3.Each motor can be apapted to various remote controls. YR2118B have many fuctions which have intermediate stop fuctions. So when on-site installation and debuging, it' s recommended to use this kind of remote control.

◆Setting remote control channels	
①Enter into setting codes status	②Choose channels
	
Press[Setting] button for 3 seconds till the light on.	Press[Channel Choose Left] (or [Channel Choose Right]) button to choose the needed channel.
③Send the current channel code	④ Confirmation
	
Press[Channel Setting] button on the back of transmitter till the indicator light of the motor sparkles.	Press[Setting] button again to confirm the operation. The remote channel is set.
◆Delete remote control channels	
①Enter into setting codes status	②Delete remote control channels
	
Press[Setting] button 3 seconds to indicate till the indicator light on.	Press[Setting] buttton again for 7 seconds till the light off. Channel deleting is completed.

◆Change direction setting		
①Enter into setting codes status	② Send the current change direction code	③ Confirmation
		
Press [Setting] button for 3 seconds till the light on.	Press[Channel Choose Left] and [Stop] button simultaneously.	Press[Setting] button again to confirm the operation. The remote channel is set.

- ★Attentions
- 1.The setting limit and intermediate point will automatic be deleted when the user operate the change direction.
 - 2.If the curtain can not fully close when the motor is set to close. The curtain open / close direction is opposed, please change direction with remote setting as above.

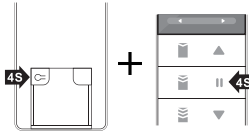
Operation setting

The motor will run slowly at the first time to record the length of the track system. Then when the motor works at the second time it will come to normal speed.


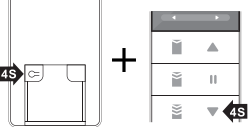
If the motor has been used in other tracks before, the curtain may not stop as expected in another track, because the motor recorded the previous limit information. In this case, you have to use initial operation.

◆Initial operation setting

Press the[Channel Setting] on the back of transmitter &[Stop] button for 4 seconds.



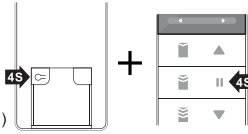
- ◆Adjust the limit slightly
- When the curtain on the fully open position, if the fabric crow together to make the shape of the fabric tilting. You can adjust the limit slightly.
- ★Attention
- Before adjust the limit slightly, you can change the directions, if you press[Open] key but the curtain runs to closing direction.

① opening the limit point slightly	② closing the limit point slightly
	
1,Simultaneously, press(Channel setting) +(Up) 4 seconds, and come into opening the limit point slightly status, the drive will briefly shake and the LED is on.	1,Simultaneously, press(Channel setting) +(Down) 4 seconds, and come into closing the limit point slightly status, the drive will briefly shake and the LED is on.
2,press (up) key repeatedly within 30 seconds, the curtain will adjust towards the opening direction, press (Down) key repeatedly, the curtain will adjust towards the closing direction. so make the curtain arrives the position needed.	2,press (Down) key repeatedly within 30 seconds, the curtain will adjust towards the closing direction, press (up) key repeatedly, the curtain will adjust towards the opening direction. so make the curtain arrives the position needed.
3, Simultaneously, press(Channel setting) of the remote 4 seconds or press the (setting) button of the drive, make the current position set opening the limit point, quit the status of opening the limit point slightly, the drive will briefly shake and the LED is off.	3, Simultaneously, press(Channel setting) of the remote 4 seconds or press the (setting) button of the drive, make the current position set closing the limit point, quit the status of closing the limit point slightly, the drive will briefly shake and the LED is off.

◆Deleted limit & Intermediate point

Simultaneously press remote [Channel setting] & [Stop] 4 secs. After the drive has short vibration, all setting of limit & Intermediate point will be deleted.

(Remark: the remote must be in available channel.)

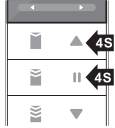
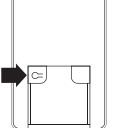


Hand–start control fuction

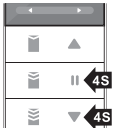
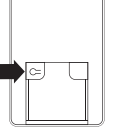
This curtain system has hand–start control function: the motor will start to work when you pull the fabric.

You can choose to use this function or cancel this function.

◆Use touch control fuction

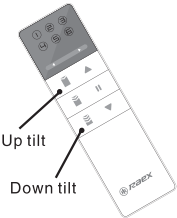
① Open the function	②Confirmation
	
Press[Stop]and[Open] button for 4 seconds till the light on, the motor will quiver few times.	Press[Channel setting] button on the back of transmitter with sharp tip in 3 seconds, then this function can be used successfully.

◆Cancel touch control function

①Stop the function	②Confirmation
	
Press[Stop]and[Close] button for 4 seconds till the light on, the motor will quiver few times.	Press[Channel setting] button on the back of transmitter with a sharp tip in 3 seconds, then the function is cancelled.

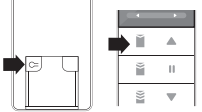
Slat adjustment function (Tilting function)

For MP46 motor,the tilting function is effective after the blinds run to the lower limit.Press [Up tilt/75%] to let slat turns up 15 degrees. Press [Down tilt/25%] to let slat turns down 15 degrees.Long press [Open] more than 2s,and then tilting function is invalid.

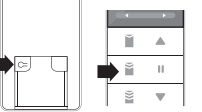


Set intermediate stop limits and 3 favorite positions

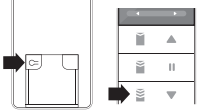
①



②




③




Show 3 favorite positions


①



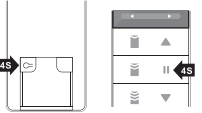
②



③

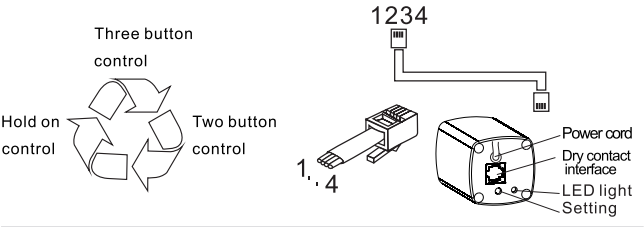


Delete limits



Control modes

The motor with dry contact interface which can offer three control modes, three modes switch rycle by the mode switch setting.



Three button control

Action	K1	K2	K3
◀▶ (Open)	on	off	off
▶◀ (Close)	off	on	off
■ (Stop)	off	off	on

Action time must less tean 1S

Two button control

Action	K1	K2
◀▶ (Open)	on	off
▶◀ (Close)	off	on
■ (Stop)	Press any button again	

Hold on control

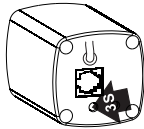
Action	K1	K2
◀▶ (Open)	on	off
▶◀ (Close)	off	on
■ (Stop)	off	off

Action time must continue

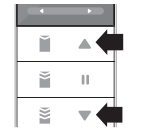
◆Change the control modes

It can switch rycle by the mode switch setting.

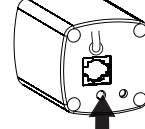
①Enter into setting codes status



②Send the control mode code



③Confirmation



Usual malfunction

Malfunction	Possible cause	Solution
Motor no action	Power supply failure	Check the power supply
Curtain can't close full	Remote direction is opposite curtain to running direction	Change direction with transmitter
	Limit error	Cut off the power and reset limit after 15 seconds
Switch no action	Phone cable failure	Check the phone cable
Control modes incorrect	Control modes match error	Execute mode and switch to appropriate mode
Remote control invalidation	Wrong channel setting	Reset the remote control channel
	Battery insufficiency	Change the battery
	Too far control range	Do not use the transmitter beyond the control range
Motor stops midway	Limit setting error	Reset again, the limit will be memorized
	Limit error	Cut off the power and reset limit after 15 seconds
	Too heavy fabric	Check the weight of the fabric if it's with in the range of load capacity
	Fabric blocked	Check if the track of the fabric is blocked
Abnormal system	Cut off the power for one minute to restore the motor	
Other malfunctions	Please contact your dealer	

Warranty

Series motor carry a five years warranty from the date of invoice. Factitious damage and dismantle are exclusive of warranty.

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MP46

New generation mechanical clutch technology
Mini Drapery motor Instructions Manual



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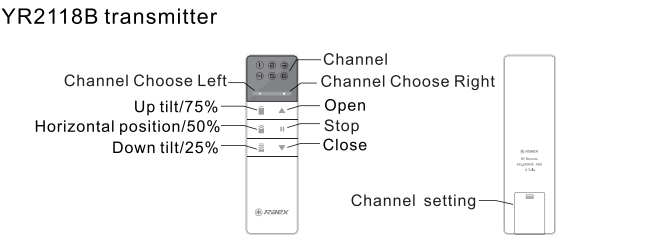
Main features

- ◆Quiet, DC motor.
- ◆Touch control technology, gently pulling the curtain to open or close.
- ◆Special mechanical clutch design with patent, manual operation in case of power failure.
- ◆Full automatic setting of the limits.
- ◆Touch control function can be switched on and off.
- ◆Slow start and slow stop function.
- ◆BUILT-IN radio receiver with network control.
- ◆Easy to install, easy to operate.
- ◆Compact aluminum track with electronicphoresis is available for straight and curve curtains.
- ◆Textile teeth belt is durable, can stand heavy curtains and frequent operations.
- ◆With dry contact interface, providing point of action, or even the movement pattern of remote control switch, facilitate the achievement of a variety of control modes.

Motor installation and disassembly

◆Motor installation	<div><div>1</div><div>2</div></div>
1.Put the motor shaft into the drive unit	
2.Turn the motor at 90 degree and make it parallel with the track	
◆Motor dismantling	<div><div>3</div><div>4</div></div>
1.Press and hold the clipping lock and push it up	
2.Turn the motor at 90 degree and take out the motor	

Remote control settings



Basic remote control setting



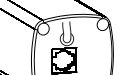
Before using the remote control function, the user must perform "Set remote channel" operation, in order to store the remote control channel into the controller.

If you need to make remote control channel invalid, you can perform the "Delete remote channel" operation.

When the rotating direction of motor is not same as the desired direction, you can do "Change the direction" operation for correcting it only by working with the transmitter.

- ★Attentions
- 1.Each motor can record max.16 channels, as soon as the motor receives remote control signal, it will act in response as setting.
 - 2.If two motors have to work together, please set the same channel for two motors. This operation won't affect the individual control function of each motor.
 - 3.Each motor can be apapted to various remote controls. YR2118B have many fuctions which have intermediate stop fuctions. So when on-site installation and debuging, it' s recommended to use this kind of remote control.

◆Setting remote control channels	
①Enter into setting codes status	②Choose channels
Press[Setting] button for 3 seconds till the light on.	Press[Channel Choose Left] (or [Channel Choose Right]) button to choose the needed channel.
③Send the current channel code	④ Confirmation
Press[Channel Setting] button on the back of transmitter till the indicator light of the motor sparkles.	Press[Setting] button again to confirm the operation. The remote channel is set.
◆Delete remote control channels	
①Enter into setting codes status	②Delete remote control channels
Press[Setting] button 3 seconds to indicate till the indicator light on.	Press[Setting] buttton again for 7 seconds till the light off. Channel deleting is completed.

◆ Change direction setting		
① Enter into setting codes status	② Send the current change direction code	③ Confirmation
		
Press [Setting] button for 3 seconds till the light on.	Press [Channel Choose Left] and [Stop] button simultaneously.	Press [Setting] button again to confirm the operation. The remote channel is set.

- ★Attentions
- 1.The setting limit and intermediate point will automatic be deleted when the user operate the change direction.
 - 2.If the curtain can not fully close when the motor is set to close. The curtain open / close direction is opposed, please change direction with remote setting as above.

Operation setting

The motor will run slowly at the first time to record the length of the track system. Then when the motor works at the second time it will come to normal speed.

If the motor has been used in other tracks before, the curtain may not stop as expected in another track, because the motor recorded the previous limit information. In this case, you have to use initial operation.

◆Initial operation setting

Press the[Channel Setting] on the back of transmitter &[Stop] button for 4 seconds.

- ◆Adjust the limit slightly
- When the curtain on the fully open position, if the fabric crow together to make the shape of the fabric tilting. You can adjust the limit slightly.
- ★Attention
- Before adjust the limit slightly, you can change the directions, if you press[Open] key but the curtain runs to closing direction.

① opening the limit point slightly	② closing the limit point slightly
1,Simultaneously, press(Channel setting) +(Up) 4 seconds, and come into opening the limit point slightly status, the drive will briefly shake and the LED is on.	1,Simultaneously, press(Channel setting) +(Down) 4 seconds, and come into closing the limit point slightly status, the drive will briefly shake and the LED is on.
2,press (up) key repeatedly within 30 seconds, the curtain will adjust towards the opening direction, press (Down) key repeatedly, the curtain will adjust towards the closing direction. so make the curtain arrives the position needed.	2,press (Down) key repeatedly within 30 seconds, the curtain will adjust towards the closing direction, press (up) key repeatedly, the curtain will adjust towards the opening direction. so make the curtain arrives the position needed.
3, Simultaneously, press(Channel setting) of the remote 4 seconds or press the (setting) button of the drive, make the current position set opening the limit point, quit the status of opening the limit point slightly, the drive will briefly shake and the LED is off.	3, Simultaneously, press(Channel setting) of the remote 4 seconds or press the (setting) button of the drive, make the current position set closing the limit point, quit the status of closing the limit point slightly, the drive will briefly shake and the LED is off.

◆Deleted limit & Intermediate point

Simultaneously press remote [Channel setting] & [Stop] 4 secs. After the drive has short vibration, all setting of limit & Intermediate point will be deleted.

(Remark: the remote must be in available channel.)

Hand–start control fuction

This curtain system has hand–start control function: the motor will start to work when you pull the fabric.

You can choose to use this function or cancel this function.

◆Use touch control fuction

① Open the function	②Confirmation
Press[Stop]and[Open] button for 4 seconds till the light on, the motor will quiver few times.	Press[Channel setting] button on the back of transmitter with sharp tip in 3 seconds, then this function can be used successfully.

◆Cancel touch control function	
①Stop the function	②Confirmation
Press[Stop]and[Close] button for 4 seconds till the light on, the motor will quiver few times.	Press[Channel setting] button on the back of transmitter with a sharp tip in 3 seconds, then the function is cancelled.

Slat adjustment function (Tilting function)

For MP46 motor,the tilting function is effective after the blinds run to the lower limit.Press [Up tilt/75%] to let slat turns up 15 degrees. Press [Down tilt/25%] to let slat turns down 15 degrees.Long press [Open] more than 2s,and then tilting function is invalid.

