


USING THE REMOTE CONTROLS

NOTE	There are two types of Motolux standard remote controls, ie single channel and 11 channel. The 11 channel remote is shipped with channels 1 to 6 only being visible and selectable, while channels 7 to 11 must be enabled to become visible. To select any of channels 7 to 11, or to de-select any of channels 1 to 6, follow the instructions below.	
R1	Depress briefly the button inside hole on back of remote by using a paper clip or similar. All 11 channels on the remote control are now selectable and can be toggled, ie visible channels can be made invisible, while invisible channels can be made visible.	
R2	Press the LEFT or RIGHT button on front of the remote control to select the channel you wish to toggle.	◀ OR ▶
R3	Press STOP button on front of the remote to make the toggle selection.	■
R4	Follow same procedure to enable or disable any other channels on the remote control unit.	


PROGRAMMING MODE: ALLOCATING A REMOTE CONTROL CHANNEL TO A MOTOR ("PAIRING")

NOTE	This same process can also be used to pair a new remote control to the motor or to pair additional channels from a previously paired remote control. Note that when setting up Group control, ie several motors operating on a single channel, you simply pair the motor to the desired number of channels on the required remote control.	
A1	Switch-off power supply to motor, then switch back on. WITHIN 30 SECONDS, continue to step A2. Motor will "jog" down/up briefly and emit a beep. Note: if no buttons are pressed for 30 seconds or more, then the system will automatically exit programming mode. If power cannot easily be switched off then on again, refer to section "ONE2ONE OPERATION" below.	
A2	For multi-channel remote only: use LEFT and RIGHT buttons to choose a channel number.	◀ OR ▶
A3	press STOP while channel indicator is still glowing red	■
A4	For multi channel remote only: repeat steps A2 and A3 if you want other channels to be used to operate this motor, then go to step A6	
A5	press UP/DOWN SIMULTANEOUSLY to confirm that channel allocation (pairing) is complete. Motor will "jog" and emit beeps.	⬆ SIMULTANEOUS
NOTE	NOTE: if you try to add a channel that is already in use, motor will emit 5 beeps. In that case, go back to step 1 and choose different channel number.	
!	At this point, check motor direction by pressing UP or DOWN. The blind will move as long as you keep the button pressed. Be careful not to run the blind too high or too low to avoid damage. If the direction of rotation is incorrect, go to "Changing Motor Rotation Direction" first before setting the limits.	
IF REQUIRED - TO MAKE MOTOR RESPOND TO MORE CHANNELS OR MULTIPLE REMOTES AT A LATER STAGE, REPEAT STEPS ABOVE		

PROGRAMMING MODE: CHANGING MOTOR ROTATION DIRECTION (IF REQUIRED ONLY)


!	IMPORTANT: This operation can be done at any time but NOT within the first 30 seconds after connecting power to the motor, unless you exit the Channel Pairing Mode by simultaneously pressing UP and DOWN buttons.	
!	CAUTION: If you change motor direction on a motor which already has limit settings programmed, the limit settings will be lost. In that case, re-program limit settings.	
CD1	Hold the LEFT button for 3 seconds or more. Blind will "jog" down-up briefly.	◀ 3 secs
CD2	Press UP and DOWN buttons SIMULTANEOUSLY. Blind will "jog" down-up briefly to confirm direction has changed.	⬆ SIMULTANEOUS

PROGRAMMING MODE: SETTING UPPER, INTERMEDIATE AND LOWER LIMITS for FIRST INSTALLATION

!	IMPORTANT: Read instructions below before you start. If there is no activity for 30-45 seconds, the motor will automatically EXIT programming mode (in which case you hear 5 rapid beeps, combined with a motor jog). If this happens, just start again from step L1 below.	
L1	Using the LEFT OR RIGHT buttons on the remote, select a channel that was allocated for this motor. Push STOP BRIEFLY to make final selection	◀ OR ▶ ■
L2	using a paperclip or similar, push the setting button on the back of the remote for 3 seconds or longer (until the blind "jogs" down/up)	

UPPER LIMIT	L4	press UP or DOWN to bring blind to approximate desired UPPER position	▲ ▼
	L5	push STOP BRIEFLY	■
	NOTE: The motor is now in "micro-stepping" mode. Pushing UP or DOWN again will allow you to make small limit adjustments.		
	L6	fine-tune the position using UP and DOWN	▲ ▼
	L7	press and hold the LEFT button for approximately 3 seconds - this will confirm the chosen upper limit position (motor jogs and beeps)	◀ 3 secs
NOTE: IF YOU DO NOT NEED AN INTERMEDIATE POSITION, SKIP STEPS L8-L11 AND GO TO STEP L12			
CENTRE LIMIT	L8	press DOWN to bring blind to approximate desired INTERMEDIATE position	▼
	L9	push STOP BRIEFLY	■
	NOTE: The motor is now in "micro-stepping" mode. Pushing UP or DOWN again will allow you to make small limit adjustments.		
	L10	fine-tune the position using UP and DOWN	▲ ▼
	L11	press and hold the STOP button for approximately 3 seconds - this will confirm the chosen position	■ 3 secs
BOTTOM LIMIT	L12	press DOWN to bring blind to approximate desired BOTTOM position	▼
	L13	push STOP BRIEFLY	■
	NOTE: The motor is now in "micro-stepping" mode. Pushing UP or DOWN again will allow you to make small limit adjustments.		
	L14	fine-tune the position using UP and DOWN	▲ ▼
	L15	press and hold the RIGHT button for approximately 3 seconds - this will confirm the chosen position	▶ 3 secs
MOTORIZED BLIND IS NOW READY FOR NORMAL USE.			

**PROGRAMMING MODE: ADJUSTING INDIVIDUAL LIMIT POSITIONS
(for motor which already has programmed limits)**

NOTE	If you do NOT have a MOTOLUX™ "one2one" system programming key, you must power-down all motors on the same channel, except the one you want to adjust! If you DO have a key, refer to the 'one2one' instructions on separate sheet.		
AL1	Send motor to the limit position which you want to adjust. There is NO need to disconnect/reconnect power.		
AL2	Press setting button inside the small round hole on the back of the handheld remote control for 3 seconds . Use a paperclip or similar. (motor will jog and emit 3 beeps)		
AL3	Using UP or DOWN, send the motor to the new approximate position. Press STOP briefly. Motor is now in micro-stepping mode.	▲ ▼ ■	
AL4	To make fine adjustments to position: press UP or DOWN (micro-stepping 1-2mm adjustments)	▲ ▼	
AL5	Depending on which position you are planning to adjust (upper, lower, intermediate) press and hold the following button for approximately 3 seconds: LEFT if adjusting upper position - OR - RIGHT if adjusting lower limit - OR - STOP if adjusting the intermediate position. (Note: this is similar to executing steps L7 or L11 or L15 above.)	◀ ■ ▶	
AL6	Press UP and DOWN buttons simultaneously. Motor will emit a long beep and perform a "jog" to confirm the limit adjustment has been confirmed.	▲ ▼	3sec OR 3sec OR 3sec SIMULTANEOUS

RESTORING FACTORY MODE (DELETING OF CHANNELS OR LIMIT SETTINGS)

!	CAUTION: If you use this function you will need to follow set-up instructions from start, as above		
Switch-off the power to the motor, then switch it back on and, WITHIN 30 SECONDS , choose one of 3 options below.			
OPTION A: DELETING LIMIT SETTINGS ONLY			
DL1	use LEFT and RIGHT buttons, to pick a channel that was allocated for the motor. Do NOT push STOP, and while channel indicator is still glowing red , go to step 2	◀ ▶	
DL2	Hold the LEFT button for 3 seconds or more. Motor jogs and beeps.	◀ 3 secs	
DL3	Press the DOWN button. Blind will "jog" to confirm setting is deleted.	▼	
OPTION B: DELETING CHANNEL SETTINGS ONLY			
DC1	use LEFT and RIGHT buttons, to pick a channel that was allocated for the motor. Do NOT push STOP, and while channel indicator is still glowing red , go to step 2	◀ ▶	
DC2	Hold the LEFT button for 3 seconds or more. Motor jogs and beeps.	◀ 3 secs	
DC3	Press the UP button. Blind will "jog" to confirm setting is deleted.	▲	
OPTION C: DELETING CHANNEL SETTINGS AND LIMIT SETTINGS			
DCL1	use LEFT and RIGHT buttons, to pick a channel that was allocated for the motor. Do NOT push STOP, and while channel indicator is still glowing red , go to step 2	◀ ▶	
DCL2	Hold the LEFT button for 3 seconds or more. Motor jogs and beeps.	◀ 3 secs	
DCL3	Press the STOP button. Blind will "jog" to confirm setting is deleted.	■	

USING THE MOTOLUX™ "one2one" PROGRAMMING KEY

The MOTOLUX™ patent pending "one2one" system, is a unique time saving technology, which allows installers and programmers to program or re-program individual RF controlled motors without the need to power-down the motor being programmed, or any other motors in the building. It uses a specially designed access key, available to installers and programmers, which provides two separate functions.

- First, insertion of the key simulates turning the power to the motor OFF then ON again. This allows access to all the normal functions available after power up of the motor as explained on Pages 1 and 2 above.
- Second, the remote can be entered into a special UNIVERSAL PROGRAMMING CHANNEL (UPC), which enables a unique programming channel that is common to all multi-channel remote controls. To enable this function you also need to use the multi-channel remote. This function is not available with single channel remote controls.

NOTE: one2one keys are available from Blindware on request.

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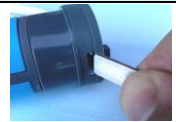
Once you enter the special "one2one" UPC as below, you can perform all the normal programming functions on the motor. Other motors in the room will not respond to the programming commands as they cannot hear the UPC without the one2one key being inserted. When you exit the "one2one" mode, all motors that are linked to your remote control will be back in normal operating mode.

During "one2one" operation, please check that you are staying on the "one2one" programming channel which is indicated by the fact that BOTH channel indicators 2+5 are lit. If you accidentally move away from this channel, use LEFT or RIGHT buttons to return to the 2+5 channel.

ENTERING "ONE2ONE" PROGRAMMING MODE

o2o-1

Insert the MOTOLUX™ "one2one" programming key into the dry contact digital switching connector on the motor. Be careful not to force the key, which may damage the contacts inside the connector. Note: appearance of key may vary from picture shown on the right. The motor should emit one long beep.

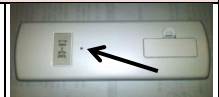


NOTE

At this time the operator can perform any function that would normally require the motor to be powered down, then powered up again. In particular, this includes pairing new remotes or extra channels to the motor.

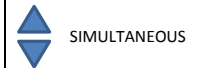
o2o-2

BRIEFLY press button inside the small round hole **on the back of the handheld remote control**. Use a paperclip or similar.



o2o-3

Simultaneously press UP and DOWN - you will see both the channel 2 and channel 5 indicator lights come on simultaneously on the screen of the remote control



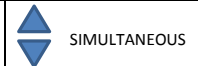
o2o-4

press STOP while channel indicators are still glowing red



o2o-5

Simultaneously press UP and DOWN again - the motor will "jog" to confirm it is in "one2one" programming mode



!

AT THIS POINT THE REMOTE IS NOW COMMUNICATING EXCLUSIVELY WITH THE MOTOR WITH THE KEY INSERTED. ALL THE NORMAL PROGRAMMING FUNCTIONS CAN BE PERFORMED, BUT WITHOUT HAVING TO REMOVE POWER TO THIS OR ANY OTHER MOTOR.

ADDING CHANNELS OR REMOTES: you can now execute programming steps A2-A5 (but without step A1)

see programming steps as referred

SETTING LIMITS: you can now execute programming steps L2-L15 (but without step L1)

see programming steps as referred

ADJUSTING INDIVIDUAL LIMITS - ENSURE BLIND IS IN POSITION TO BE ADJUSTED FIRST: you can now execute any of the steps L4 to L7, L8 to L11 or L12 to L15 as required.

see programming steps as referred

DELETING CHANNELS: you can now execute steps DC2-DC3 (but without step DC1)

see programming steps as referred

DELETING LIMIT SETTING: you can now execute steps DL2-DL3 (but without step DL1)

see programming steps as referred

DELETING CHANNELS AND LIMITS: you can now execute steps DCL2-DCL3 (but without step DCL1)

see programming steps as referred

REVERSING MOTOR DIRECTION: you can now execute steps CD1-CD2 (CAUTION: REVERSING DIRECTION ALSO DELETES LIMITS!)

see programming steps as referred

TO EXIT "ONE2ONE" MODE: REMOVE THE KEY - WAIT 45 SECONDS - MOTOR IS BACK IN NORMAL MODE. On the REMOTE: ensure you are on the 2+5 channel (use LEFT or RIGHT button until both lamps light up), then push hidden button on back, then press UP+DOWN simultaneously, and finally press STOP to de-activate the "one2one" mode on the remote.



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