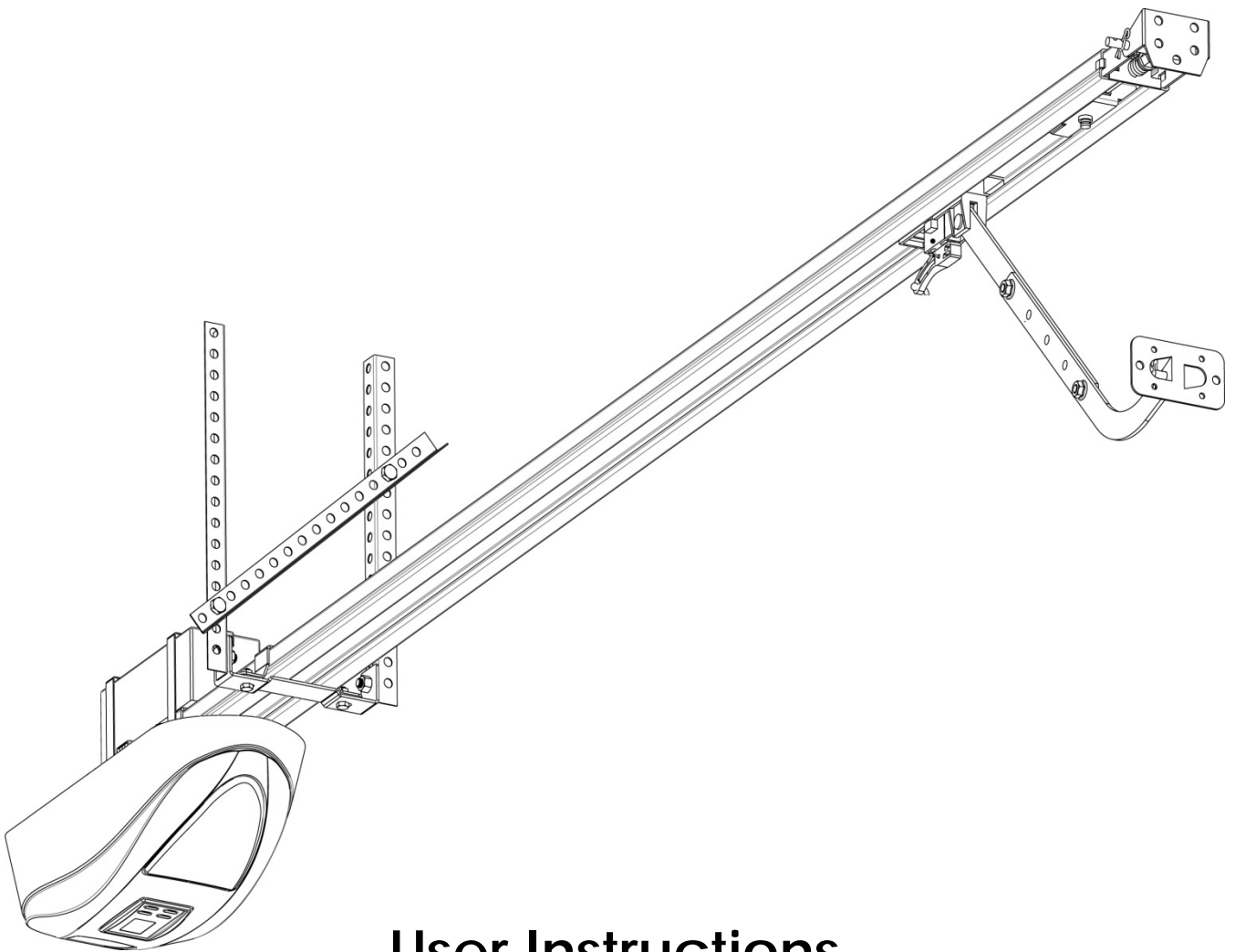




## Domestic garage door operator



## User Instructions



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The following instructions and information should have been demonstrated to you by your service provider/installer at the handover of your new DC BLUE ADVANCED garage door automation system. For any clarity of any of these aspects, please contact your service provider or us directly via internet or telephone.

Please also keep in mind that by automating your garage door, you have created the largest electrical appliance in your home. It needs to be respected as a hazard if not used correctly.

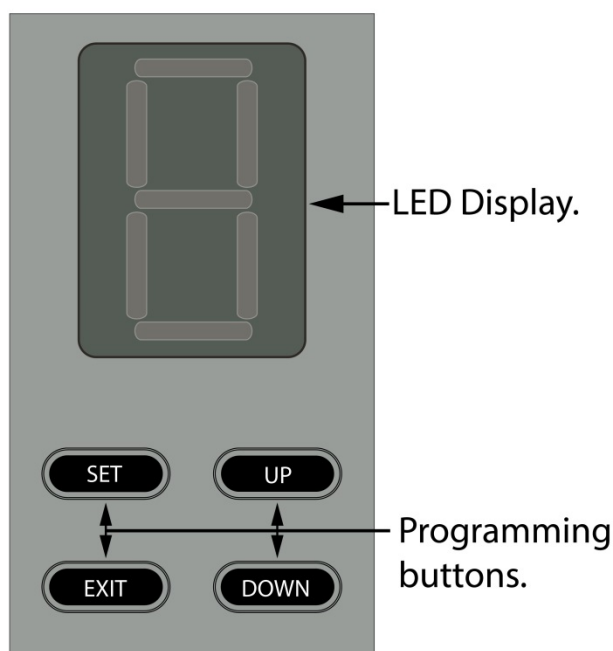
#### SAFETY OBLIGATIONS AND GENERAL WARNINGS

- Caution! It is important for personal safety to follow all the instructions carefully. Incorrect installation or misuse may cause serious personal harm.
- Keep the instructions in a safe place for future reference.
- This product was designed and manufactured strictly for the use indicated in this documentation. Any other use not expressly indicated in this documentation, may damage the product and/or be a source of danger.
- We accept no responsibility due to improper use of this product.
- Care must be taken not to install this product in an unsafe environment. I.e. near volatile gases and/or fumes.
- We will not accept responsibility if the principles of good workmanship are disregarded by the service provider/installer. The construction of the door must be sound and automatable. It is the responsibility of the service provider/installer to ensure that all mountings to the door are sufficient to withstand the necessary forces in cases of overload.
- It is highly recommended that a set of safety infra-red beams be used in conjunction with this product.
- Over and above the recommendation to use safety infra-red beams with this product it is mandatory to install and use a safety beam set when using the automatic closing feature. (As prescribed by the SANS 60335-95-2 safety code)
- We accept no responsibility regarding safety and correct operation of the automation if other manufacturer's equipment is added to this product.
- Do not make any modifications or alterations to this product.
- It is the responsibility of the installer/ service provider to completely instruct and demonstrate the proper use of this product, especially the emergency override, to the end user. It is also the responsibility of the service provider /installer to issue all end user documentation, which accompanies this product, to the end user.
- Ensure that other persons, especially children are clear of the door and opener before and during operation.
- Keep remote transmitters away from children to prevent accidental activation of the system.
- The end user should refrain from attempting to make any repairs or adjustments to the system and should contact professional qualified assistance timorously.
- Anything other than expressly provided for in these instructions is not permitted.
- The electrical supply to this product must comply with the local electrical code of practice and any electrical work must be carried out by a qualified and certified electrician.

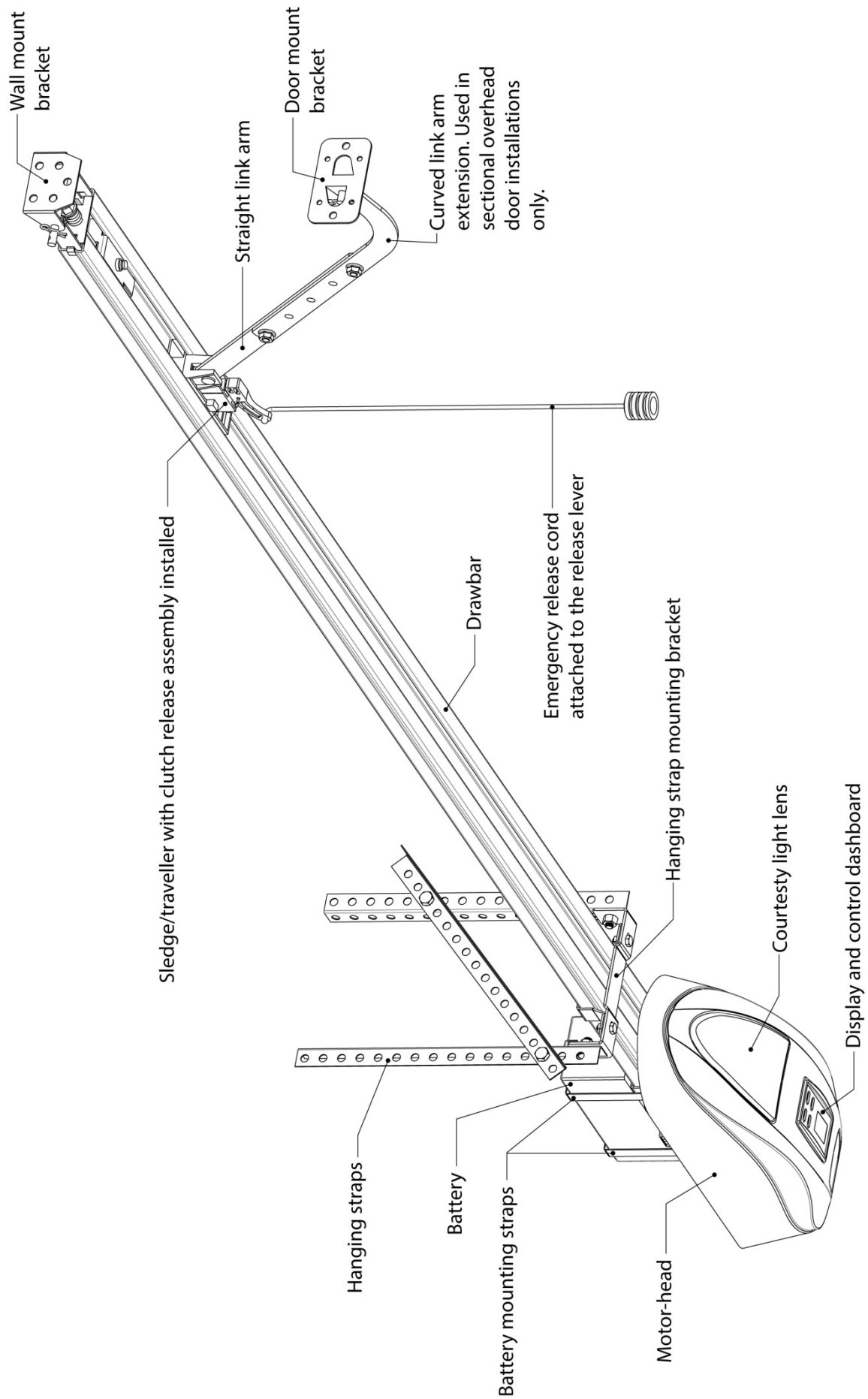
Cont.....

- Regular (Monthly) manual tests and inspections of the garage door and automation system need to be carried out. These tests should be demonstrated to you by your installer/service provider at the time of the handover of the system. If the system transferred ownership in the sale of a home and the current owner was not present at the time of the handover, then an appointment needs to be made with a qualified service provider so that all of these instructions can be demonstrated.
- Over and above the monthly inspection and tests carried out by the end user, the system needs to be serviced and checked regularly by a qualified garage door and automation service provider. Please discuss this with your service provider. At least one qualified inspection and service per year.
- Do not operate the door without clear line of sight of it.
- Never pass through the door opening while the door is moving.
- Take care when operating the manual release. In the case of a damaged, broken or fatigued balancing spring, the door can plummet downward when released from the drive via the emergency release cord.
- Ensure there are no obstructions in the path of the door when operating it.
- The battery reserve if fitted needs to be tested regularly.
- The safety sensing overload system needs to be tested at least once a month:- (As prescribed by the SANS 60335-2-95 safety code)
  - This is done by allowing the door to close on to a 40mm x 40mm x 70mm block. The door should stop and reverse away when encountering the block. If there are any signs of excessive stress to the mountings or mounting points on the door when doing this test, your service provider must be contacted to repair or reinforce these points.

#### CONTROL PANEL DASHBOARD



COMPONENT IDENTIFICATION AND DESCRIPTIONS



**USING THE EMERGENCY MANUAL RELEASE**

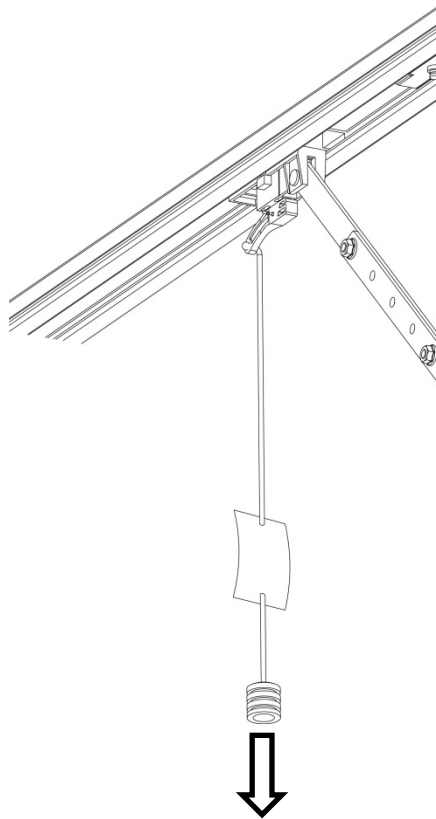
**WARNING!**

Take care when operating the manual release. In the case of a damaged, broken or fatigued balancing spring, the door can plummet downward when released from the drive via the emergency release cord!

**TO DISENGAGE AND MOVE DOOR MANUALLY:**

**Warning! Door may plummet closed when released.**

While pulling the emergency release cord downward, move the door open or closed by hand.



**TO RE-ENGAGE AND LOCK DOOR BACK ONTO DRIVE:**

Let the cord go and move door open or closed until the sledge/traveller locks back onto the chain drive.

**SAFETY OBSTRUCTION SENSING IN ACTION**

**In the case of the door being resisted physically or obstructed while opening.**

- The motor will stop running,
- The buzzer will beep once and operator reverts to standby mode.
- On the next BT button trigger the motor will start closing the door.

**In the case of the door being resisted physically or obstructed while closing.**

- The motor will stop running,
- The buzzer will beep once as the motor immediately begins opening the door once again.
- On reaching the open position the operator reverts to standby mode.
- On the next BT button trigger the motor will begin the door closing.

**NB! The safety sensing overload system needs to be tested at least once a month: -**

(As prescribed by the SANS 60335-2-95 safety code)

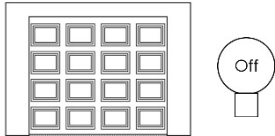

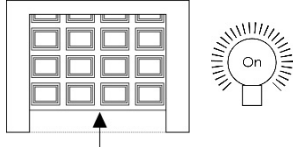
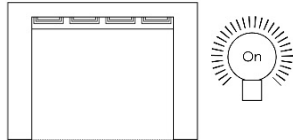

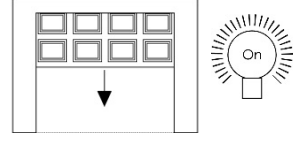
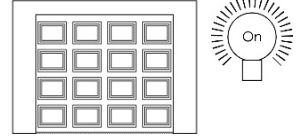
This is done by allowing the door to close on to a 40mm x 40mm x 70mm block. The door should stop and reverse away when encountering the block. If there are any signs of excessive stress to the mountings or mounting points on the door when doing this test, your service provider must be contacted to repair or reinforce these points.

If uncertain about this test please make an appointment with your garage door service provider for a proper demonstration.

**BASIC OPERATING FEATURES**

Basic open and close triggers using the (BT) button trigger.

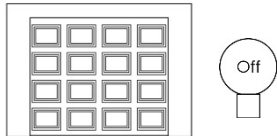

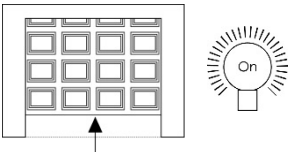

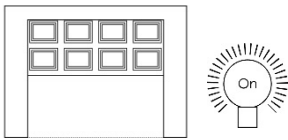

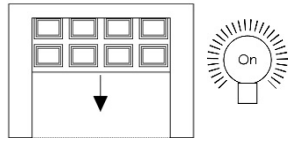

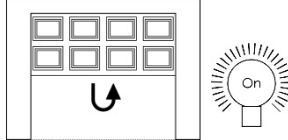
**Example 1.** Simply opening the door fully and closing the door again fully.

Action		Response	
		Door in the closed position. Courtesy light off.	
<b>Press and release</b> either the remote button trigger or the hardwired trigger.		Door begins opening and courtesy light switches on.	
Wait for door to reach the full open position.		Door stops and waits in the open position. Courtesy light remains on for a further 3 minutes.	
<b>Press and release</b> either the remote button trigger or the hardwired trigger.		Door begins closing and if the courtesy light had previously timed out and switched off, it will switch on again for three minutes.	
Wait for door to reach the closed position.		Door stops in the closed position. Light remains on until three minute timer has expired.	

**BASIC OPERATING FEATURES**

Basic open and close triggers using the (BT) button trigger.

**Example 2.** Using the (BT) button trigger input while the door is running.

Action		Response	
		Door in the closed position. Courtesy light off.	
<b>Press and release</b> either the remote button trigger or the hardwired trigger.		Door begins opening and courtesy light switches on.	
<b>Press and release</b> either the remote button trigger or the hardwired trigger, before the door reaches the full open position		Door stops and waits for next instruction. Courtesy light remains on for a further 3 minutes.	
<b>Press and release</b> either the remote button trigger or the hardwired trigger.		Door begins closing and if the courtesy light had previously timed out and switched off, it will switch on again for three minutes.	
<b>Press and release</b> either the remote button trigger or the hardwired trigger, while the door is still closing.		Door stops and begins opening once again. Light remains on until three minute timer has expired.	

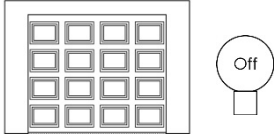

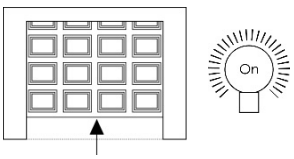
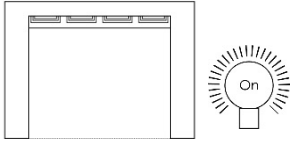




**ADVANCED OPERATING FEATURES**


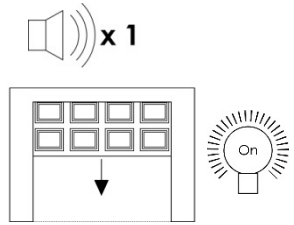
Advanced triggers using the remote (BT) button trigger

**(PARTY MODE)**

**Example 3.** Using the remote (BT) button trigger to disable any closing triggers

Action		Response	
<b>TO ACTIVATE</b>			
		Door in the closed position. Courtesy light off.	
<b>Press and release</b> either the remote button trigger or the hardwired trigger.		Door begins opening and courtesy light switches on.	
Stop door while opening or simply wait until it reaches the open position.		Door stops and waits at the required open position. Courtesy light remains on for a further 3 minutes.	
<b>Press and hold</b> the remote button trigger, +/- 10 seconds, until buzzer beeps.		Buzzer beeps rapidly to indicate party mode is active.	

<b>TO CONFIRM</b>			
Any attempt to operate the door normally.		Buzzer repeats rapid beeps to indicate the party mode is still active. The door will not move.	

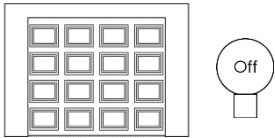




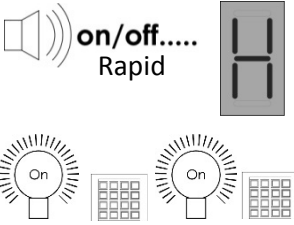

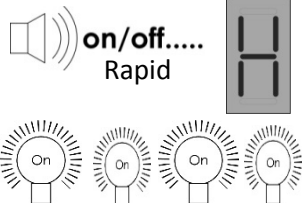




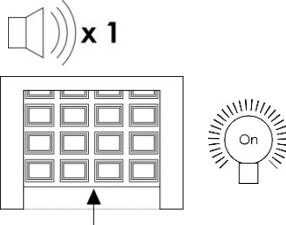
<b>TO DE-ACTIVATE</b>			
<b>Press and hold</b> the remote button trigger +/- 10 seconds, until buzzer beeps.		Buzzer beeps once and door starts closing. Courtesy light switches on for three minutes.	

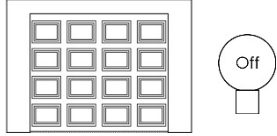

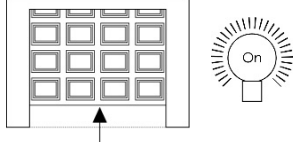
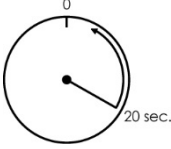
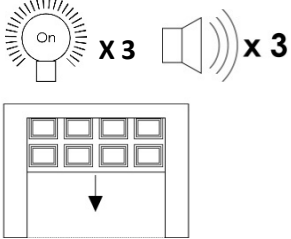
**ADVANCED OPERATING FEATURES**

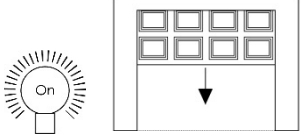
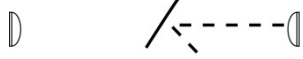
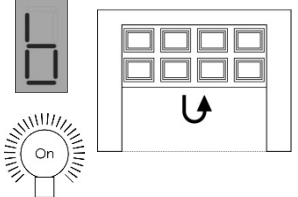
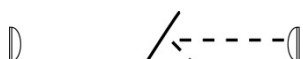
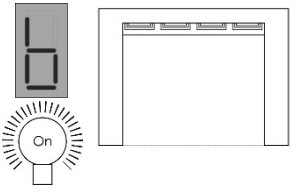

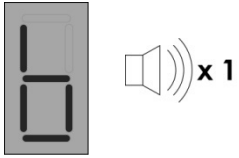
Advanced triggers via the remote (BT) button trigger and (LT) courtesy light trigger

**(HOLIDAY LOCK-OUT MODE)**

**Example 4.** Using the remote (BT) button trigger and (LT) courtesy light to lock out any opening triggers

Action		Response	
<b>TO ACTIVATE</b>			
Door must be closed		Door in the closed position. Courtesy light off.	
<b>Press and hold</b> remote courtesy light button.		Courtesy light switches on.	
<b>Release</b> button when buzzer begins to sound. After +/- 5 seconds.		Buzzer tones for <b>5 seconds</b> . Courtesy light remains on.	
Whilst buzzer is still sounding, <b>Press and release</b> the remote trigger button, to activate Holiday lock-out.		Buzzer beeps, light flashes rapidly and display shows "H" to indicate Holiday lock-out is active.	
<b>TO CONFIRM</b>			
Any attempt to operate the door normally.		Buzzer beeps, light flashes rapidly and display shows "H" to indicate Holiday lock-out is active.	
<b>TO DE-ACTIVATE</b>			
<b>Press and hold</b> remote courtesy light button.		Courtesy light switches on.	
<b>Release</b> button when buzzer begins to sound. After +/- 5 seconds.		Buzzer tones for <b>5 seconds</b> . Courtesy light remains on.	
Whilst buzzer is still sounding, <b>Press and release</b> the remote trigger button, to deactivate Holiday lock-out.		Buzzer beep once, courtesy light remains on and the door begins opening as Holiday lock-out de-activates.	







ADVANCED OPERATING FEATURES Auto-close feature.			
Action		Response	
		Door in the closed position. Courtesy light off.	
Press and release either the remote button trigger or the hardwired trigger.		Door begins opening and courtesy light switches on.	
On reaching the full open position, the auto-close timer times out the previously programmed auto-close time. 20 sec. for example.		Courtesy light and buzzer, flashes and sounds three times, before door begins closing automatically.	

ADVANCED FEATURES Safety beam input			
NB!! This input only affects the closing cycle.			
Action		Response	
		Door closing. Light on.	
Interrupt the safety beams.		Display shows "b", door stops and begins opening once again. Light remains on.	
Safety beam still interrupted.		Door reaches full open position. Display continues to show "b" as long as the safety beams are interrupted. Light switches off after 3min.	
Any further closing triggers while beams are still interrupted.		Door will not close. Display continues to show "b" as long as the safety beams are interrupted and buzzer beeps once.	

**ADVANCED FEATURES**

**Courtesy light**

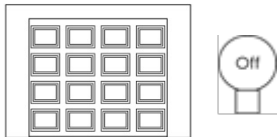

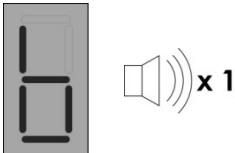






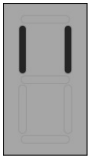
**NB!!** In the case of a household mains failure, the courtesy light does not function.  
The buzzer will also emit a short beep every 15 seconds for 5 minutes after any BT transaction when the household mains power is off.

Action		Response	
Every operation of the door from any position.		Light will come on for 3 minutes and door operates.	 <b>For 3 minutes</b>
If the light is off and the (L) courtesy light button on the remote is pressed and released.		Light will come on for 60 minutes.	 <b>For 60 minutes</b>
If the light is on and the (L) courtesy light button on the remote is pressed and released.		The courtesy light simply switches off.	




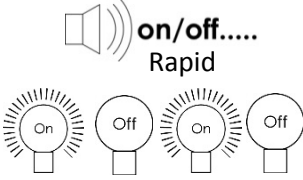


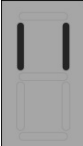
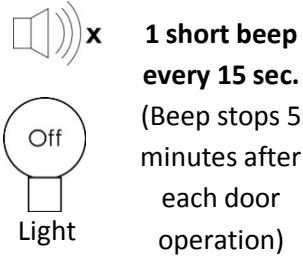
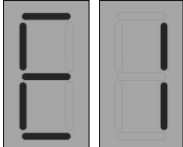

**A QUICK METHOD OF LEARNING A TRANSMITTER BUTTON CODE INTO THE RECEIVER MEMORY WITHOUT ENTERING THE PROGRAMMING MENU.**

**Max users (BT) button trigger channel = 35 user codes**

**NB!!** No remote codes can be learnt into the (LT) courtesy light channel this way.

Action		Response	
Door must be closed		Door closed	
Press and hold the "Up" button until buzzer beeps and display shows "b".		Buzzer beeps once and display shows "b"	
<b>Press and hold</b> required remote button.		LED on remote transmitter remains lit.	
Press and release the "SET" button.		<p>"1" on display and 1 beep = user code successfully registered.</p> <p>"2" on display and 2 beeps = user code already in the receiver memory.</p> <p>"3" on display and 3 beeps = Unsuccessful because no code was seen within 4 sec of the "SET" button being pressed. Mandatory timeout.</p> <p>"F" on display and multiple rapid beeps = Memory full</p>	<p> Successful</p> <p> Code already in memory</p> <p> Unsuccessful</p> <p> Memory full</p>
Release both the remote button and "SET" button			
		Display reverts back standby mode "II"	

**WARNINGS WHEN USING A (BT) BUTTON TRIGGER FROM STANDBY MODE.**

Display	Buzzer and light	Reason	Resolve by.
		Safety beam obstructed.	Page 11
		Holiday lock-out active.	Page 10
		Party mode active.	Page 9
		Household mains power failure. Operating on battery power only.	Re-connect household mains supply. <b>To test.</b> Check that light switches on when operating door. Page 12
		<ul style="list-style-type: none"> <li>• Motor fuse blown or,</li> <li>• Encoder faulty or disconnected.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace motor fuse or,</li> <li>• Call your service provider to reconnect or replace encoder</li> </ul> <p><b>Press and release "EXIT" when done.</b></p>

**WARRANTY:** All goods manufactured by G&C Electronics cc T/A ET Systems carry a 12 month factory warranty from date of invoice. All goods are warranted to be free of faulty components and manufacturing defects. Faulty goods will be repaired or replaced at the sole discretion of ET Systems free of charge. This warranty is subject to the goods being returned to the premises of ET Systems. The carriage of goods is for the customer's account. This warranty is only valid if the correct installation and application of goods, as laid out in the applicable documentation accompanying said goods, is adhered to. All warranty claims must be accompanied by the original invoice. All claims made by the end user must be directed to their respective service provider/installer.

The following conditions will disqualify this product from the warranty as laid out above.

These conditions are non-negotiable.

- Any unauthorized non-manufacturer modifications to the product or components thereof.
- The use of the ET DC BLUE ADVANCED operator in heavy traffic applications such as office parks and residential complexes.

The following items are not included in the warranty.

- The battery.
- The motor brushes.
- Damage due to the following:
  - Wind and other climatic influences such as lightning strikes.
  - Water/moisture ingress. (This unit is not designed for use outdoors. I.e. carports.
  - High voltage surges on the household mains.
  - Infestation i.e. Ants nesting...