



Automatic Garage Door Operator

support@et.co.za

G&C Electronics cc. T/A ET Systems
15 Nelson Rd, Observatory, Cape Town, South Africa
www.et.co.za

Technical specifications may change without prior notice.
All goods are subject to the standard factory warranty as laid out on the last page of this publication

Rev: 2009/05/001

The following are a couple of quick reference reminders of procedures and instructions your service provider/installer discussed with you on completion of your new garage door automation. For any queries not sufficiently answered by the following please make contact with your service provider/installer. Failing which contact us directly for telephonic/Internet support.

Please consider that by automating your garage door you have created the largest moving electrical appliance in your home. As an appliance it needs to be respected as a danger if not used correctly.

Warning: Important safety instructions. It is important for the safety of persons to follow all instructions. Keep these instructions in a safe place.

- Do not operate the door without clear sight of it.
- Do not allow children to play with door controls. (Remotes or wall buttons for example).
- Ensure people especially children, and pets are kept clear of the automatic door area at all times. (Speak to your service provider about detection equipment for your type of door)
- Take care when operating the manual release, as a door can drop rapidly due to broken or fatigued tensioning systems, or being out of balance.
- Check for any obstructions before operating your door.
- Have your service provider inspect and service your door mechanics regularly. Even maintenance free doors need to be checked regularly for mechanical wear. In between services by a qualified provider, the system needs to be monitored by the user for any hindrances, damage or variance to the door movement. Do not operate the system if any of these occur. Have your service provider attend to them first.
- Batteries and chargers need to be checked regularly. Please arrange this with your service provider.
- The overload sensing needs to be tested monthly. To do this:

- Position a 40mm x 40mm block on the ground where the door closes.
- Have the unit close the door onto the block
- The unit should sense the obstruction and reverse the door back to the open position.

If the unit does not reverse away from the overload, do not continue to use the system until your service provider has repaired or re-calibrated the load sensing.

IMPORTANT NOTE: Do not open the cover of the head unit unless duly qualified to do so. There are no user serviceable parts inside of the motor unit.

How to open and close the door.

The two most popular ways to do this are either by remote control or by wall mount push button. Simply press and release the designated open/close button on either the wall console or remote control. If the door is:

- Closed – It will begin opening
- Opening – It will stop and wait for next trigger to close
- Open – it will start closing
- Closing – it will stop and re-open.

How to switch the courtesy light on/off.

The courtesy light will come on automatically when the door is triggered to open or close and will switch off automatically three minutes after the last operation of the door.

To open or close the door manually.

Release the door from the operator:

- While pulling down on the emergency release cord start moving the door with your other hand.
- Release the cord.
- The lever attached to the cord will spring back and you can continue moving the door manually
- If at any point, the door re-engages or positive locks repeat the first step above.

To re-engage the door:

- Press the door control button.
- The drive will collect the door (you will hear a click as the traveler/sledge re-engages)
- If the door does not re-engage by the time the motor stops running, re-trigger the unit and allow it to collect the door in the other direction.

You can also move the door gently by hand until you feel and hear it click back on to the drive system. Once engaged, you can continue to use the automation normally.



Understanding the automatic obstruction-sensing feature.

Your garage door operator has an automatic safety feature built in, obstruction sensing. Knowing and understanding how this feature works will help you maintain a safe and working automation system. This feature monitors for any excessive physical resistance to the door while moving. Most often this resistance is caused by badly maintained or out of balance doors. An untreated wooden door will travel differently in the rainy season as it soaks up water and becomes heavier when closing. Extreme weather conditions can

also be a cause of excessive physical resistance. A fiberglass door in a storm for instance. The obstruction sensing primarily designed into your unit as a safety feature, (A door closing onto a motor vehicle) also protects the unit from internal damage. Please test for the following on a regular basis or have your service provider do the tests.

Your door when sensing an obstruction;

- On opening should stop and wait for the next door-control trigger to reverse.
- On closing should stop and reverse to the open position. (For your safety, use a 40mm high brick or wooden block to test this.)

If your door initiates the obstruction sensing routine without any obvious cause, try manually disengaging it from the drive system (see "To open and close the door manually" above) and then trigger your unit to run without the door. If the unit completes a full open and closed cycle successfully, contact your door supplier/service provider to check the door. If your unit initiates the obstruction sensing routine at any point during testing, contact your operator service provider/installer.

Using the automatic close feature.

If you want your garage door to close automatically after opening, the auto-close feature must be activated. Speak to your Service provider/installer about this. For safety reasons, it is required that safety detection devices such as an infrared beam set be connected to the units control card when using this feature. If there is any interruption to the beam, by an object in the door area, the unit will not close. If there is any interruption to the beam, while the door is closing, the door will stop and return to the open position. After the obstruction has been cleared the door will begin closing again once the timer has timed out. You can trigger the door to close before the timer has timed out via the door control button on the wall or remote.

Notes about the battery reserve.

In the case of a power failure the DC Blue DIGITAL will draw all power from the batteries.

The battery capacity is 3.5A/hour at 24Vdc when fully charged.

The unit will, remain powered for approximately 18 - 24hrs without running the door. Thereafter the door may not run correctly. Any additional equipment connected to the auxiliary supply of your unit will also be draining the battery when the mains power has been interrupted and in cases where an excess of equipment has been connected. The charger will not be able to keep the battery charged even though there is power present.

The amount of times you can run the door when the power has failed will depend on the door running load and time. Please check with your installer.

NB! Extended power failures will be detrimental to the lifespan of the batteries. To prevent irreversible damage to the batteries re-apply power immediately you become aware of the power interruption. Or contact your electrical power supply company.

Allow at least 10 - 12 hours charge time after the installation of new batteries in the unit. Or power interruptions.

To prevent irreparable damage to your system your batteries need to be checked regularly.

When contacting any of your service providers please have a record of any unusual activity. This will assist in the accurate diagnostic of the fault and assist us in maintaining our high expectancy of support for our products.

Your nearest ET Systems branch will have contact details of preferred service providers in your area.

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 customers 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 items are not included in the warranty.

- The light globe
- The batteries (limited 6 month warranty)
- The motor brushes
- Acceptable wear and tear.

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

These conditions are non-negotiable.

- Any single DC Blue DIGITAL garage door operator used to automate more than one door at one time.
- Any DC Blue DIGITAL garage door operator used outdoors, including carports.
- Any DC Blue DIGITAL domestic garage door operator used in excessive traffic applications for example an apartment-block parking garage.
- Any unauthorized non-manufacturer modifications to the product or components thereof.