



## Grifco Transmitter (GT4) and Maestro Receiver Card (MRC) Manual

Rev: 508081

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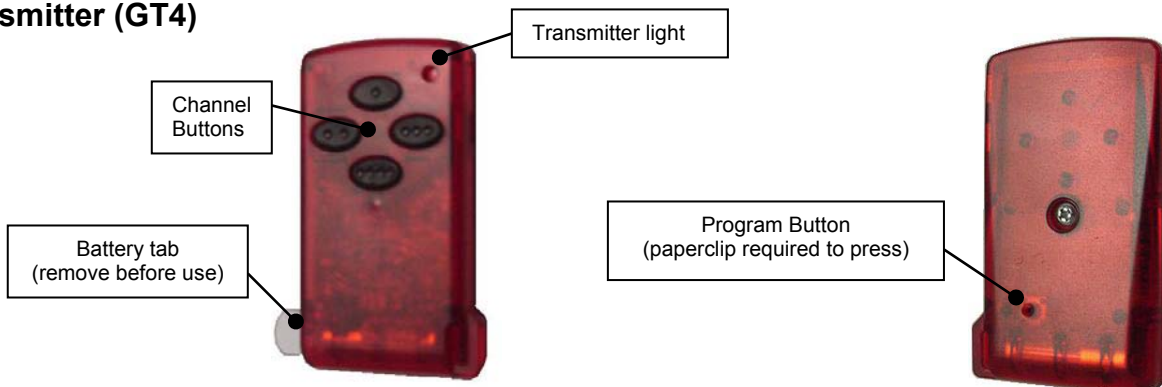
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### Features:

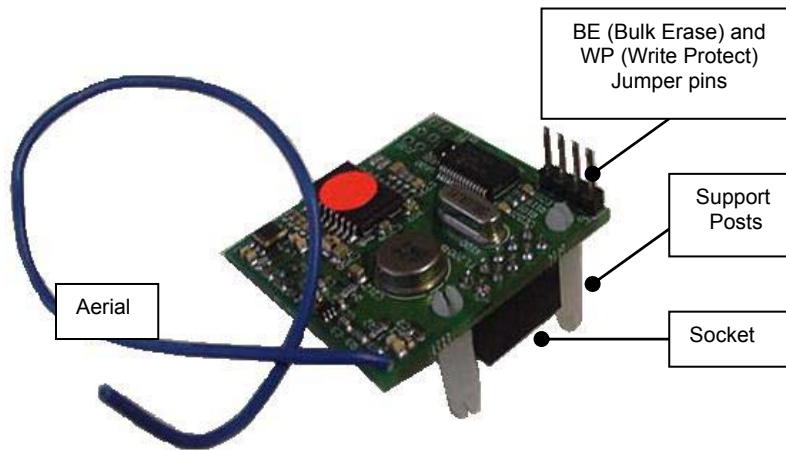
- 4 channel transmitter
- High security rolling code
- Easy installation with virgin programming technology (Completely wireless programming)

### Identifying your Transmitter Kit

#### Transmitter (GT4)



## Receiver (MRC)

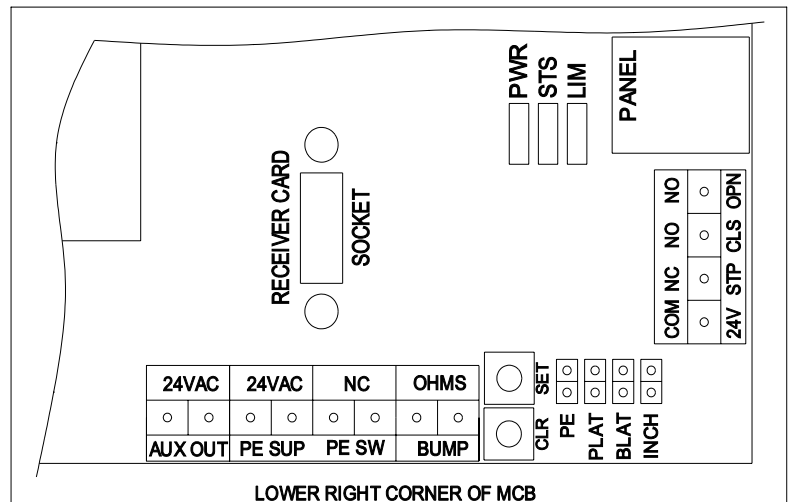


## Installation

### Installing the Maestro Receiver Card (MRC)

To install the receiver onto the Maestro:

- Turn off power to the Maestro operator and remove MCB (Main Circuit Board) enclosure lid
- Plug the Receiver Card into the Receiver Card Port located on the MCB of the Maestro.  
*See figure 1 shown below. Make sure all of the pins are correctly inserted*
- Make sure the aerial is straight
- Resume power to the Maestro Operator



Once the device has been powered up the RED indicator on top of the newly installed receiver card should light up and remain lit. This indicates there are currently no transmitters installed. *If the RED indicator does NOT remain lit you should perform a 'bulk erase' (see next page).*

### Programming the first Transmitter (virgin receiver)

The Grifco Maestro Receiver is fitted with virgin programming technology that allows programming of transmitters without having to press any buttons on the receiver.

**The Write Protect (WP) jumper must be removed in order to program or erase any transmitters.** This protects against accidental programming when in virgin mode. **Make sure only one virgin mode receiver is in range with its memory protect jumper off when programming.** After programming it is recommended that the Write Protect jumper be replaced for extra security.

### To Program Transmitter:

- Make sure you are in range of the MRC
- While holding the CHANNEL button you wish to program to the receiver, quickly press and hold the PROGRAM button on the back of the transmitter for 3 seconds. This will cause the light on the transmitter to be lit during the button press, and the GREEN indicator on the receiver card to light signifying new code verification
- Afterwards both the RED and GREEN indicators on the RC should now be OFF. This signifies that the MRC is now programmed with at least 1 Transmitter

The Transmitter should now control the Maestro via the channel button you selected

## Please read and understand instructions before attempting installation

### Range

The GT4 operating range will depend largely on the surrounding environment in terms of the structure that surrounds the Receiver Card and also other radio frequencies used in the area. Before programming bulk quantities of transmitters, ensure that the performance is satisfactory. Although rare, some installations require the aerial wire to protrude out of the main control enclosure base through a small hole (approx. 2-3mm diameter). You can also extend the wire approximately 300mm to further boost signal strength.

### Programming successive Transmitters (non-virgin receiver)

- While in range of the MRC, press the CHANNEL button on the transmitter you wish to program. This will cause the light on the transmitter to be lit during the button press, and the RED indicator on the receiver card to flash for 5 seconds after transmission.
- Using a separate transmitter which has already been programmed to the receiver, press the PROGRAM button on the back along with the CHANNEL button corresponding to the MRC for 3 seconds. This will cause the GREEN indicator on the receiver card to light signifying new code verification

The new Transmitter should now control the Maestro via the channel button you selected

### Erasing Single Transmitter

- While in range of the MRC, Press and hold the PROGRAM button on the back of the transmitter you wish to erase, plus the CHANNEL button corresponding to the receiver you wish to erase from for 3 seconds until the RED indicator on the MRC is flashing. The RED indicator will flash for 5 seconds
- During the 5 seconds the RED indicator is flashing, press the PROGRAM button on the back of another learnt transmitter, plus the CHANNEL button on that transmitter corresponding to the MRC. If erase is successful the GREEN indicator will light up for 2 seconds

The first transmitter should no longer control the Maestro

### Bulk erasing of all Transmitters

Bulk erasing removes all transmitters from the MRC. To perform a bulk erase:

- Turn off power to the Maestro
- Fit the Bulk Erase (BE) jumper located on the MRC
- Resume power to the Maestro. After a few seconds the RED indicator on the MRC will start flashing. This signifies all of the Transmitters have been erased.
- Turn off power to the Maestro
- Remove the Bulk Erase (BE) jumper
- Resume power to the Maestro. The MRC will power up and the RED indicator will remain lit. This indicated that the RC currently has no transmitters installed (Virgin mode)

### Write Protect (WP)

The Write Protect feature stops any programming or erasing of transmitters into the receiver. To activate or deactivate this feature:

- Turn off power to the Maestro
- Either fit or remove the Write Protect (WP) jumper located on the MRC
- Resume power to the Maestro

## Operation

To operate the Device, simply press the programmed CHANNEL button on the transmitter which corresponds to the receiver. The receiver will control the device when a signal from a programmed transmitter is received.

### Status LED Chart

RED Light	GREEN Light	MRC STATUS
ON	ON	Receiver has just been powered up
ON	OFF	In virgin mode. No transmitters currently programmed
OFF	ON	Transmitter has just been programmed or erased
OFF	OFF	Awaiting signal from transmitter. At least one transmitter is programmed
Slow Flash		Receiver has detected a signal from a transmitter
Fast Flash		Receiver had detected a signal from a transmitter, but is in Write Protect mode
Strobing		Receiver has finished bulk erase operation

## WARRANTY / GUARANTEE

Charles H. Griffith & Co Pty Ltd herein referred to as "The Company"

- (a) The Company shall guarantee the goods for a period of two years from the date of invoice against any defects in construction or operation arising solely from faulty design, materials or workmanship subject to the following clauses.
- (b) The Company shall at its option, repair, modify or replace defective parts or units at its own expense and within a reasonable time but the Company shall not unless otherwise agreed in writing be liable for costs associated with removal, replacement, transport or travelling expenses incurred by the Purchaser in obtaining the goods and returning them to the Company.
- (c) The Company does not guarantee the goods where:-
  - (i) the defect rises from materials supplied by the Purchaser or a design requested by the purchaser; or
  - (ii) the defect arises from ordinary wear and tear, neglect or misuse by the Purchaser, accident, lack of care, insufficient maintenance, incorrect installation or improper use of the goods; or
  - (iii) the defect arises from force majeure; or
  - (iv) the Purchaser has in any way modified or repaired the goods without the Company's prior written consent; or
  - (v) the Purchaser has not complied with any written or oral instructions concerning the operation and maintenance of the goods; or
  - (vi) the Purchaser is in default in the observance or performance of any other provisions of the contract; or
  - (vii) The Grifco electric motors are used in conjunction with controls other than those assembled and supplied by the Company.
- (d) Where warranty is approved for goods in a used condition, such goods will be repaired or replaced and returned to the purchaser as the Company sees fit. Refunds or credits will only be considered for goods not used and in new, undamaged condition.
- (e) The Company's liability under this guarantee will be strictly limited to repairing or replacing a defective product at the Company's premises, as it may elect.
- (f) The provision of sub-clauses (a) and (b) are stipulated for the benefit of the Purchaser only and are not intended for the benefit of any third party.
- (g) Save for sub-clauses (a) and (b) the Company does not give any warranty or guarantee or make representations whatever in respect of the goods or the fitness of the goods or any part thereof or any particular purposes (whether or not that purpose is known to the Company).

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