



Garage Door Opener DF800N



Owner's Instruction Manual

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IMPORTANT SAFETY REQUIREMENTS



WARNING: It is vital for your own safety that you follow all instructions.

Failure to comply with the installation instructions and the safety warnings may result in serious personal injury and/or property damage. Please save these instructions for future reference.

- **CAUTION** If your garage has no pedestrian entrance door, an emergency key release should be installed. This accessory allows manual operation of the garage door from outside in case of power failure.
- The unit should be installed so that it is protected from the elements. It should not be exposed to water or rain. It is not to be immersed in water or sprayed directly by a hose or other device.
- The garage door must be well balanced. Sticking or binding doors must be repaired by a qualified garage door installer prior to installation of the opener.
- **DO NOT** operate the opener unless the garage door is in full view and free from objects such as cars and children/people. Make sure that the door has finished moving before entering or leaving the garage.
- **DO NOT** operate the opener when children/people are near the door. Children must be supervised at all times when the is in use. Serious personal injury and/or property damage can result from failure to heed this warning.
- **DO NOT** allow children to operate the opener. Serious personal injury and/or property damage can result from failure to follow this warning.
- Regularly check to make sure that the Safety Obstruction Force is working correctly, and is tested and set as per this manual. Failure to follow these instructions could result in serious personal injury and/or property damage. This test must be repeated at regular intervals and the necessary adjustments made as required. In order for the opener to sense an object obstructing the door way, some force must be exerted on the object. As a result the object, door and/or person may suffer damage or injury.
- **DO NOT** disengage the door opener to manual operation with children/people or any other objects including motor vehicles within the doorway.
- The door opener is not intended for use by young children. Children should be supervised to ensure that they do not play with the remote transmitters or the opener.
- Keep hands and loose clothing clear of the door and door opener at all times.
- Install the wall switch or wall mounted transmitter in a location where it is out of reach of children and the garage door is visible.

FEATURES

Thank you for purchasing the **d-force™** Overhead Garage Door Opener. Designed to suit sectional overhead and one piece tilt up doors, the components and materials used ensure this opener will provide years of simple and secure operation. Listed below are some of the many features:

OPERATION

To open or close the door simply press a button on the hand-held remote transmitter or wall mounted transmitter. During open and close cycles the door can be stopped by pressing the button again. The next push of the button will reverse the door's direction.

CODE HOPPING TECHNOLOGY

Every time a transmitter is used a new security code is randomly generated from millions of possibilities. This greatly enhances the security of the system and makes "code grabbing" a thing of the past.

ELECTRONIC LIMIT DEVICE

Electronic Limits does away with manual adjustment of the door's limits position.

SAFETY OBSTRUCTION SYSTEM

While the door is performing a close cycle, should it hit an obstacle or be restricted in some manner, it will automatically reverse. The door will also stop if restricted whilst opening. The Safety Obstruction Force should be checked monthly.

AUTO COURTESY LIGHT

The courtesy light comes on automatically for 2 minutes whenever the door is activated.

BATTERY BACK-UP

The opener is fitted with a Battery Back-up kit for operation in the event of a power outage, or where mains power access is not available. **NOTE:** If the door is the only entrance to the garage, and a battery backup kit is not fitted, an Emergency Key Release System (E.K.R.) should be fitted externally to the garage.





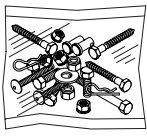

MANUAL OPERATION

The opener is equipped with a manual disengaging device. If the power to the opener is disrupted, the door can be put into manual mode by pulling down on the Manual Release Mechanism string handle at an angle towards the door. This allows for the manual operation of the door. To re-engage the opener, pull the string handle away from the door.

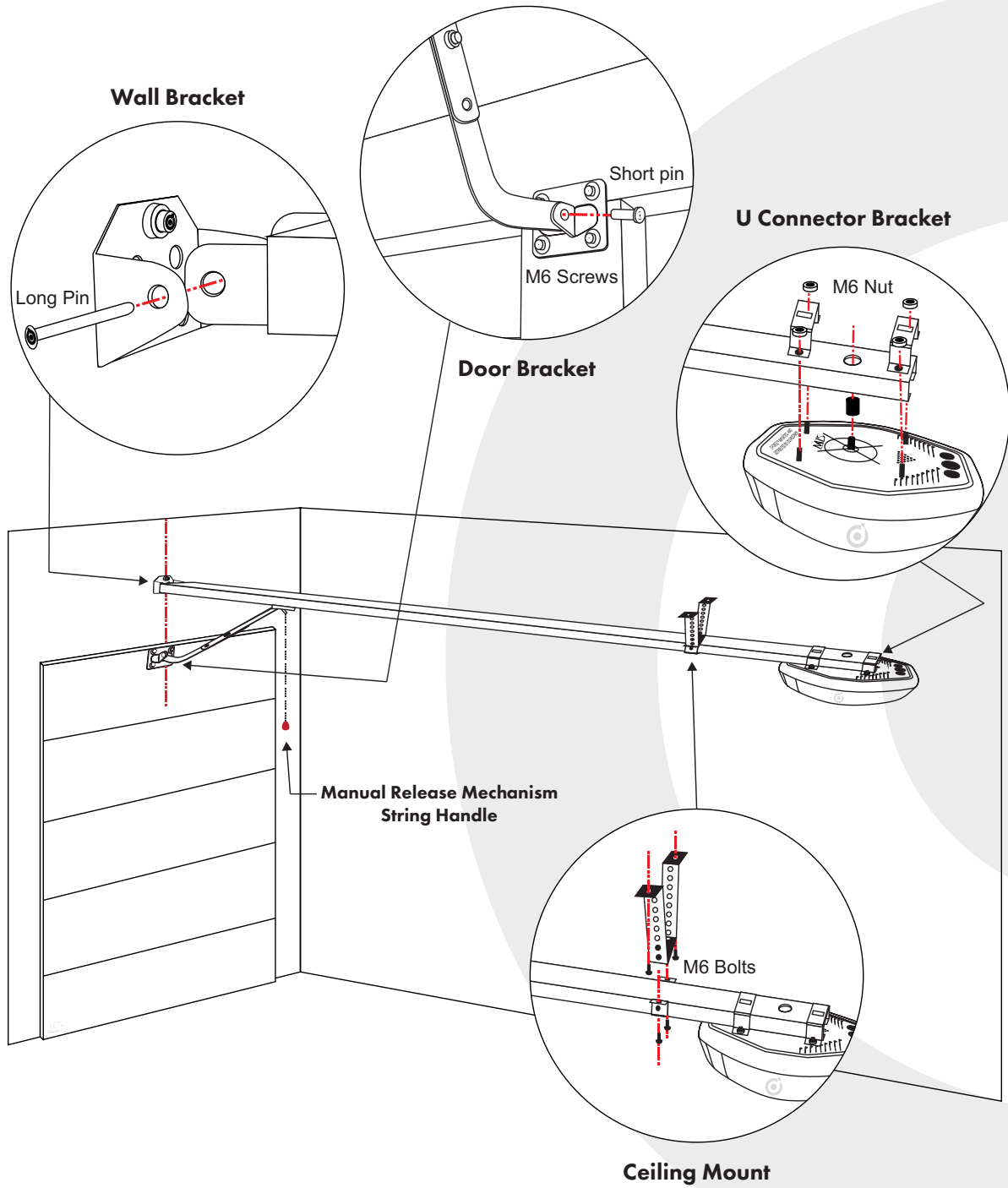
SPECIFICATIONS

Item	d-force™
Opener Power	120W
Standard Force	800N
Apply Door Area	12m ²
Rail Length	3.3m, 3.6m
Remote frequency	433.92MHZ
Remote Distance	25-35m

PACKING LIST

Motor		1 Piece
Chain Rail		1 Piece
Remotes		2 Pieces
Arm		1 Set
Parts and Accessories Bag		1 Piece
Battery Back Up (Optional)		1 Set

ASSEMBLY AND INSTALLATION



PROGRAMMING THE OPENER



IMPORTANT

Before programming the garage door opener, ensure that the door will open and close easily and smoothly using manual operation. Use the Manual Release Mechanism string handle to disengage the opener from the door, this will allow you to operate the door manually/by hand while holding the rope.

If the door does not operate easily and smoothly on manual, it is important to call a professional door technician to inspect and make the necessary adjustments to the door.

LEAVE THE GARAGE DOOR ON MANUAL OPERATION UNTIL THE DOOR HAS BEEN PROPERLY ADJUSTED.

Preparation

Re-engage the door by releasing your hold on the Rope Handle. Run the door on automatic mode or move the door by hand until the Release Mechanism latches to the Traveller.

Ensure the door is in the closed position prior to programming.

Read all the instructions on programming before commencing.



Programming Buttons and LED's



Programming Button

- Initiates programming mode and saves the settings.



Up/Open Button

- Opens the door
- Increase (+) Setting in programming mode



Down/Close Button

- Closes the door
- Decrease (-) Setting in programming mode



Save Button for Remote Transmitters

- Saves the Remote Transmitter coding to the opener
- Deletes Remote Transmitter coding to the opener

Open Limit Programming



- Press the “**P**” Button for ± 3 seconds until the “ \uparrow ” LED flashes.
- Release the “**P**” Button.
- Press and hold the “ \uparrow ” Button.
- Keep pressing until the desired opening position has been reached.
- Fine tuning can be obtained by pressing the “ \uparrow ” or the “ \downarrow ” Button.
- Press the “**P**” Button to store the desired open position.
- “ \uparrow ” LED flashes briefly
- “ \downarrow ” LED starts flashing indicating “Close Limit Programming” can be set.

Close Limit Programming



- While “ \downarrow ” LED is flashing
- Press and hold the “ \downarrow ” Button
- Keep pressing until the desired closed position has been reached.
- Fine tuning can be obtained by pressing the “ \uparrow ” or the “ \downarrow ” Button.
- Press the “**P**” Button to store the desired closed position.
- “ \downarrow ” LED flashes briefly
- The opener will now perform a Self Test Cycle opening and closing the door automatically.
- During the Self Test Cycle the opener will test the torque and force needed to operate the door safely.
- The “**P**” LED will be on indicating the programming mode is complete and the opener is in normal operating mode (Standby Mode).

Adjust Obstruction Sensing and Force - not recommended



IMPORTANT

Force and Obstruction Sensing

The higher the force is set the less sensitive the motor will be at sensing an obstruction while the opener is opening or closing the door.

Obstruction sensing should be set at the most sensitive setting to ensure the operating safety of the door. The force should therefore be set as low as possible, enough for the door to operate smoothly without stopping during operation.

There are 4 settings for the opening function and 4 settings for the closing function.

NOTE : One Flash indicates the minimum force setting.

- The minimum force setting should always be used, most importantly in the door closing setting.



The "↑" LED indicates the force set for the door in the opening direction.



The "↓" LED indicates the force set for the door in the closing direction.

Programming Obstruction Sensing and Force



- Press the "P" Button for ±6 seconds until the "↑" LED flashes.
- The "↑" LED will now stay on.
- Release the "P" Button.
- Door Opening Force can now be programmed.
 - The "↓" button decreases force and the "↑" Button increases force.
- Press the "↓" Button briefly until LED flashes once. The "↑" LED will flash force setting.
- Press the "P" Button to store the desired setting in the opening direction.
- "↓" LED will glow indicating "Close Limit Programming" can be set.
- Press the "↓" Button briefly until LED flashes once. The "↓" LED will flash force setting.
- Press the "P" Button to store the desired setting in the closing direction.
- The "P" LED will be on indicating the programming mode is complete and the opener is in normal operating mode (Standby Mode).

Remote Transmitters Programming



IMPORTANT

Up to 6 codes can be programmed by the opener.
Decoding a Remote Transmitter will cause all coded remotes to be decoded.

Coding a Remote Transmitter



- Press the “**S**” Button for ± 2 seconds until the “**S**” LED glows.
- Release the “**S**” Button.
- Press and the required button on the Remote Transmitter to be programmed.
- “**S**” LED flashes briefly.
- Press the same Remote Transmitter button again.
- “**S**” LED flashes ± 3 times.
- Press the same Remote Transmitter button for the third time.
- The opener/door will start operating.
- The selected button on the Remote Transmitter is now coded.

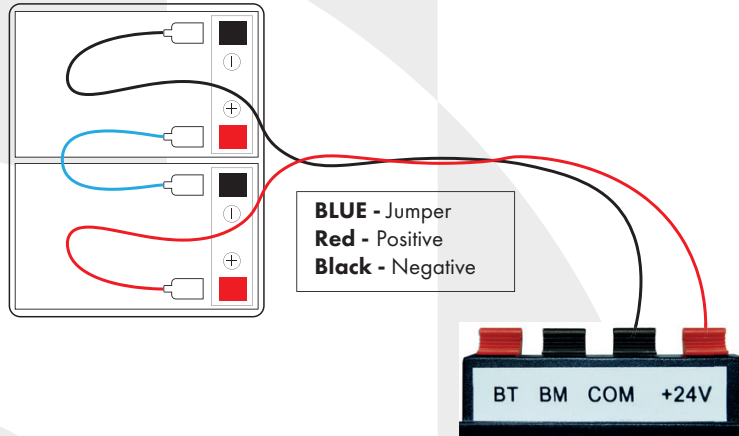
De-Coding a Remote Transmitter - erase code



- Press and hold the “**S**” Button for ± 6 seconds.
- The “**S**” LED glows briefly.
- Release the “**S**” Button.
- All stored codes are now erased/All Remote Transmitters are now de-coded.

BATTERY BACK-UP CONNECTIONS

Leads are provided from the opener to connect a Battery Back-up Pack.
 A short cable is supplied with the package for linking the batteries together.
 Follow the diagram below to connect the Battery Back-up Pack:



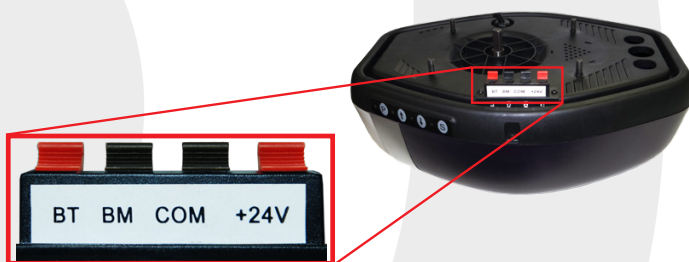
After power failures allow enough time (±8 hours) for the batteries to recharge.

Only operate the Door Opener using the Battery Back-up system when extremely necessary or in emergencies.

Over use of the Battery Back-up System will shorten the battery life.

OPTIONAL CONNECTIONS

E.C.T. - External Connection Terminal



An External Connection Terminal is found at the top of the opener head.

This facilitates with ease installation of optional extra accessories without having to remove the cover of the opener head.

External Receivers and Wall Push Buttons - optional/not included

External Receivers or similar devices can be added to the door opener.
 Each trigger will operate the door - open/stop/close.

External Receivers

N/O on the receiver is connected to the "BT" connection port on the E.C.T. - External Connection Terminal.

Negative/Common/Ground/0V on receiver is connected to the "BM" connection port on the E.C.T.
 Power "+" of the receiver is connected to the "+24V" connection port on the E.C.T.

Wall Push Button

N/O of the Wall Push Button is connected to the "BT" connection port on the E.C.T. - External Connection Terminal.

Negative/Common/Ground/0V of the Wall Push Button switch is connected to the "BM" connection port on the External Connection Terminal.



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