# Bozman Garage Door Keypad V15.7

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## User Manual:

The Garage Door Keypad is designed to quickly open your Garage door form the outside.

Notes:

* Unit can store up to 10 distinct 4 digit access pin codes.
* User Pin codes are controlled with a Master Code. (Initially 1234)
* A two color (Red/Green) LED indicates keypad error/success status (see Error codes below)
* Keypad is NOT waterproof. Please make sure keypad is protected from the elements.
* If any of the following functions give unexpected errors then press the “C” key to reset the keypad and try the function again.

Normal Operation:

Opening the garage door:

* Enter the 4 digit access code sequentially
* Press either the ‘UP’ or ‘Down” arrow
* The garage door will toggle \*\*(see note below) and a double short beep will indicate success.
* If you get an error code but you know the User Pin code is valid then press the ‘C’ key (Clear) and try again…

\*\* Door Toggle: The Garage Door will operate just as if you had hit the inside wall button. It will go either up or down depending on its initial position. Please see your garage door manual.

Adding User Pin Codes:

* Sequentially enter the Master code.
* Press the ‘E’ key (A single beep will indicate success)
* Sequentially enter the desired user 4 digit pin code. (must be unique and not the same as the Master code.)
* Press the ‘E’ key again. (A single short beep will indicate success)
* The desired Pin code is now saved into the keypad memory.
* Start over to enter a new user Pin Code

Note: You can enter up to 10 unique Pin codes. If you try to enter any more you will get an error sound (long beep) and the LED will flash an error routine. (See error table below)

Deleting User Pin Codes:

Note: Individual Pin codes cannot be deleted. The delete sequence deletes **ALL** of the user pin codes. Any desired pin codes will have to be re-entered.

* Sequentially enter the Master code.
* Press the red “2ND” key (A single short beep will indicate success)
* All user Pin codes have now been deleted.

Note: you will have to enter at least one user Pin code to operate the door.

Changing the Master code:

* Sequentially enter the current Master code.
* Press the ‘”Help” key. (A single short beep will indicate success)
* Sequentially enter the new Master pin code.
* Press the “Help” key again. (A single short beep will indicate success)
* You now have entered a new Master Pin Code.

Note: **If you forget your Master Pin code you will not be able to add or erase User Pin codes. The Master Pin code can only be reset by removing and re-programming the Arduino.**

Error Codes:

Note: First number is the number of times the Green LED will flash and the second number is the number of times the Red LED will flash followed by a pause.

e.g. Number 13 would be 1 green flash followed by 3 red flashes and then a pause.

This would repeat until cleared by pressing the 'C' key or initiating another function.

10 = "Everything is OK"

11 = "Pin Code was invalid!"

12 = "Pin Code was not complete before a function key was pressed!"

13 = "Expected a function key but a number was entered instead!"

14 = "Master Pin Code is NOT Valid!"

21 = "The number of existing Pin codes are at the maximum of 10"

22 = "New Pin Code matches existing Master Code!"

23 = "New Master Code matches an existing User Pin Code!"

24 = "New pin code already exists!"

31 = "Programming Error"

32 = "Status Error. Reason Unknown!"