

WIRELESS KEYPAD - MODEL E850M

Merlin®

OVERVIEW

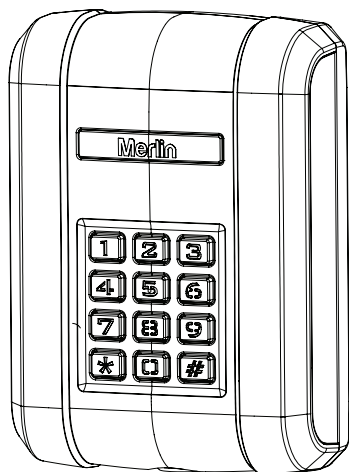
The E850M is a Wireless Keypad designed to allow multiple unique 4-digit PIN codes to operate a single gate or garage door opener. One 4-digit pin code must be programmed to the keypad and the keypad must be programmed to a single gate or garage door opener.

When a valid 4-digit PIN is entered followed by the # button, an encrypted wireless signal is transmitted. The gate or garage door opener will then operate.

A long tone will be heard to indicate the 4-digit code was valid. Three short tones will be heard if the code is invalid.

TECHNICAL SPECIFICATIONS

FREQUENCY	Multi frequency 433.30Mhz, 433.92Mhz, 434.54Mhz
ENCRYPTION	Merlin® Security+ 2.0® rolling code
PIN CAPACITY	Up to 5 permanent PINs and up to 10 unique temporary PINs (Temporary PINS are programmed for up to nine uses before they expire)
COMPATIBLE WITH	Garage door and gate openers with Security+ 2.0 radio
BATTERY	1 x 9V Lithium
OPERATING TEMPERATURE RANGE	-20°C to 60°C
IP RATING	IP55



Contents:

1. E850M
2. 4 wall plugs
3. 4 screws
4. Manual



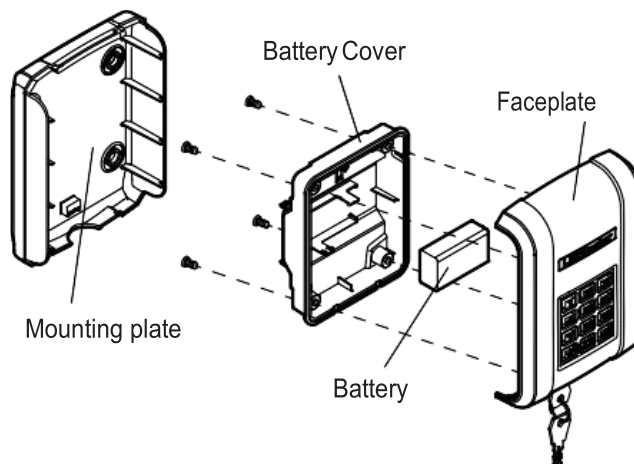
WARNING!

Activate opener only when door/gate is in full view, free of obstruction and properly adjusted. No one should enter or leave while door/gate is in motion. Do not allow children to operate or play with push buttons or remote controls. Do not allow children to play near the door/gate.

NOTE: Only the original remote controls from the manufacturer should be used. Remote controls that may look very similar, but do not originate from the manufacturer are not compatible. Such third-party remotes create malfunctions such as automatic opening, and the guarantee on the function and safety expire

INSTALLATION

1. Choose a mounting location suitable for your application such as a wall, flat surface, or a pedestal with a 76mm x 76mm mounting pattern. Locate the keypad at least 1.8m away from any moving part of the gate and where the user cannot reach over, under, around or through the gate to operate the controls. The mounting location needs to be in line of sight of the moving gate.
2. Unlock and remove the faceplate from the mounting plate.
3. Mount the mounting plate to the desired surface and secure with screws or bolts.
4. Remove the battery transport cover (if fitted) and install the battery.
5. Reattach the faceplate to the mounting plate and lock with the key.
6. The garage door / gate opener must be programmed to accept the new keypad code. See basic programming.



INITIAL KEYPAD PROGRAMMING

The E850M Keypad uses a 6-digit master code to prevent unauthorized changes to the keypad programming. It is highly recommended to change and record your unique master code. . The master code is required (factory default code: 888888) to enter programming mode of the E850M Keypad.

The master code is not used to operate the garage door or gate.

When a valid master code is entered, a long tone will sound. If an invalid master code is entered, three short tones will sound.

The keypad backlight will remain on when in programming mode. After 60 seconds of inactivity, the keypad will auto exit programming mode.

Change Master Code

The default master code is 888888. It is recommended to change the master code.

Programming Step	Keystroke Combination	Indicator
1. Enter program mode	* (Master Code) #	Long tone
2. Update Master Code	09 # (New 6-digit Code) # (New 6-digit Code) #	Long tone
3. Exit Program Mode	* * #	Keypad backlight will turn off

Program Permanent Users 4-digit PIN code

Up to 5 permanent user 4-digit PIN codes can be programmed.

Follow the steps below to enter Program Mode and program the 4-digit PIN codes. Additional PIN codes can be programmed while in Program mode by repeating Step 2.

A long tone will sound if the maximum number in PIN codes has been reached, or if a PIN code is already programmed.

Programming Step	Keystroke Combination	Indicator
1. Enter program mode	* (Master Code) #	Long tone
2. Set new pin	01 # (New 4-digit PIN) # Repeat (new 4-digit PIN) #	Long tone
3. Exit Program Mode	* * #	Keypad backlight will turn off

PROGRAM TO OPENER

NOTE: A Permanent User 4-digit PIN needs to be programmed before the keypad can be programmed to operate the opener. See Initial Keypad Programming.

1. Locate and press the Learn Button on the opener. (Must be a Security+2.0 opener)
2. Within 30 seconds - Enter a valid 4-digit PIN and press #. A long tone will sound.
3. The opener will respond to indicate the keypad has been programmed to the opener.

The keypad is now programmed to the opener.

ADVANCED PROGRAMMING

Program Temporary Users 4-digit PIN code

Up to 10 temporary user 4-digit PIN codes can be programmed. Each temporary user PIN code can be used a maximum of nine times

Follow the steps below to enter Program Mode and program the 4-digit PIN codes. Additional PIN codes can be programmed while in Program mode by repeating Step 2.

A long tone will sound if the maximum number in PIN codes has been reached, or if a PIN code is already programmed.

Programming Step	Keystroke Combination	Indicator
1. Enter program mode	* (Master Code) #	Long tone
2. Set Temporary PIN	05 # (New temporary 4-digit PIN) # (New temporary 4-digit PIN) # Number of uses (9 maximum) #	Long tone
3. Exit Program Mode	* * #	Keypad backlight will turn off

- Up to 10 temporary PIN codes can be programmed. After the first temporary 4-digit PIN has been programmed, repeat the same steps for any additional PIN codes.

Delete Permanent or Temporary PIN

Programming Step	Keystroke Combination	Indicator
1. Enter program mode	* (Master Code) #	Long tone
2. Delete PIN	07 # (4-digit PIN to be deleted) # (4-digit PIN to be deleted) #	Long tone
3. Exit Program Mode	* * #	Keypad backlight will turn off

Reset Master Code

Resetting the Master Code will not remove PINs or temporary PINs from memory. After resetting the Master Code, the keypad will not operate any previously programmed openers until they are reprogrammed.

To reset the Master Code to the factory default (888888):

Unlock and remove the front cover.

Press and hold the RESET button on the control board for 6 seconds.

A long tone sounds indicating the Master Code has been reset.

Factory Reset Keypad

Factory resetting the keypad will erase the Master Code, all permanent PINs and all temporary PINs.

All settings will be set to factory default.

After resetting, the keypad will not operate the previously programmed openers until they are reprogrammed. To reset the keypad:

Unlock and remove the front cover.

Press and hold RESET button on the control board for 6 seconds until a long tone sounds, then release.

Press and hold RESET button on the control board for 15 seconds, 3 long tones will sound indicating the keypad has been reset.

Lockout Mode (Default is ON)

If the keypad receives five consecutive invalid PINs, the keypad will enter lockout mode and will not accept any keypad inputs for 30 seconds. After 30 seconds, the keypad will begin accepting new inputs.

Programming Step	Keystroke Combination	Indicator
1. Enter program mode	* (Master Code) #	Long tone
2. Set Lockout mode to ON :	02 # 1 #	Long tone
3. Exit Program Mode	* * #	Keypad backlight will turn off

Lockout Mode (OFF)

Programming Step	Keystroke Combination	Indicator
1. Enter program mode	* (Master Code) #	Long tone
2. Set Lockout mode to OFF :	02 # 0 #	Long tone
3. Exit Program Mode	* * #	Keypad backlight will turn off

OPERATION

To operate the opener using the keypad:

Enter the 4-digit user code. The keypad backlight will come on with the first digit

Press #.

A long tone will be heard if the code is valid, and the opener will activate.

Three tones will be heard if the code is not valid.

BATTERY

The 9V Lithium battery should produce power for up to 5 years. To replace the battery:

1. Unlock and remove the front cover from the mounting plate.
2. Remove the battery cover using a screw driver.
3. Remove the old battery and install new 9V Lithium battery. Re-install inner cover.
4. Reattach the front cover to the mounting plate and lock with the key.

Dispose of old battery according to the local rules.



WARNING!

To prevent possible SERIOUS INJURY or DEATH:

- Do not ingest battery.
- Keep new and used batteries away from children.
- Check periodically if the battery compartment is secure, if the battery compartment does not close securely, stop using the product and keep away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention

TROUBLESHOOTING

SYMPTOM	CAUSE	SOLUTION
The keypad will not program to the opener.	The opener product is not compatible to the keypad.	Choose the correct opener product or use compatible receivers.
The backlight and tone on the keypad no longer work.	Battery may be dead.	Replace battery with 9V Lithium battery.
Key press turns on backlight but no beep.	Stuck button.	Check that all buttons are not stuck.
PIN won't learn.	PIN already learned.	Learn a new PIN. Exit Learn.
PIN won't learn.	Memory full.	Erase a PIN to add a new pin. Perform Factory Reset to erase all PINs.

ONE YEAR LIMITED WARRANTY

Chamberlain Australia Pty Limited / Chamberlain New Zealand (Chamberlain), the manufacturer of Merlin® automatic garage door openers, warrants to the original consumer purchaser of this product that it is free from defect in materials and/or workmanship for a period of 1 year from the date of purchase.

Chamberlain is committed to manufacturing and supplying high quality goods. As part of this commitment, we seek to provide reliable service and support for our goods and are pleased to provide you, the original purchaser, with this Chamberlain Limited Warranty.

The benefits given to you under this Chamberlain Limited Warranty are in addition to any rights and remedies that you may have under Australian or New Zealand consumer protection laws. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law, or New Zealand Consumer Guarantees Act 1993. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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