PRODUCT CATALOG
RESIDENTIAL GARAGE DOOR OPENER SYSTEMS

RADIO CONTROL PRODUCTS
Door and Operator Accessories

01.06.2004

Residential Garage Door Opener Systems

DC Drive

All DC operators come with automatic-learn force sensing, easy to program electronic limits, rolling code technology, energy saving transformer, quick-connect wire terminals, logic board with diagnostics, 1-light*230V/40W with 2.5 minute adjustable light delay, antenna, door-in-door and flashing light connection.

Specify operator head and 30mm chain or belt steel C-rail separately.

LiftMaster1000 DC Drive Garage Door Operator

LiftMaster1000 DC Drive Garage Door Operator
with: 24V DC motor
Smooth, soft-start/soft-stop
Chain or belt drive
Automatic close timer
24V DC power terminal
Motion sensing multi-function control panel
Rail to head quick connect
5-Year Motor/2-Year Full Warranty

TÜV tested to meet EN12453 without IR sensors on doors up to 130kg / 13.5m^2

Description
1000N 230-240V/50Hz 190W Tn=10Nm
Reduction means: Gear 63:1
Lifting capacity: Automatic 0-100kg
Travel rate: appx. 160mm/s
Shipping weight - head: 7.5kg
Stand-by power consumption: 5.5W
Radio:
433.92MHz Smart superheterodyne receiver
64 Memory registers
One 3-channel mini remote control
with rolling code

Operator head options:
Model No.
LM1000A   With 12-language EU instructions and Schuko cord-set
LM1000AGB   With UK 3-pin fused cord-set

LiftMaster800 DC Drive Garage Door Operator

LiftMaster 800 DC Drive Garage Door Operator
with: 24V DC motor
Smooth, soft-start/soft-stop
Chain or belt drive
Automatic close timer
24V DC power terminal
Multi-function control panel
Rail to head quick connect
4-Year Motor/2-Year Full Warranty

TÜV tested to meet EN12453 without IR sensors on doors up to 110kg / 13.5m^2

Description
800N 230-240V/50Hz 165W Tn=8Nm
Reduction means: Gear 63:1
Lifting capacity: Automatic 0-80kg
Travel rate: appx. 160mm/s
Shipping weight - head: 7.5kg
Stand-by power consumption: 5W
Radio:
433.92MHz Smart superheterodyne receiver
32 Memory registers
One 3-channel mini remote control
with rolling code

Operator head options:
Model No.
LM800A   With 12-language EU instructions and Schuko cord-set
LM800AGB   With UK 3-pin fused cord-set

LiftMaster600 DC Drive Garage Door Operator

LiftMaster 600 DC Drive Garage Door Operator
with: 24V DC motor
Smooth, soft-start/soft-stop
Chain or belt drive
Illuminated push button
Rail to head quick connect
3-Year Motor/2-Year Full Warranty

TÜV tested to meet EN12453 without IR sensors on doors up to 90kg / 10.7m^2

Description
600N 230-240V/50Hz 130W Tn=6Nm
Reduction means: Gear 63:1
Lifting capacity: Automatic 0-60kg
Travel rate: appx. 160mm/s
Shipping weight - head: 7.5kg
Stand-by power consumption: 5W
Radio:
433.92MHz Smart superheterodyne receiver
16 Memory registers
One 3-channel mini remote control
with rolling code

Operator head options:
Model No.
LM600A   With 12-language EU instructions and Schuko cord-set
LM600AGB   With UK 3-pin fused cord-set

*Light bulbs not included

Residential Garage Door Opener Systems

AC Chain Drive

All AC operators come with automatic-learn force sensing, external mechanical limit adjustments, rolling code technology, energy saving transformer, quick-connect wire terminals, logic board with diagnostics, 1-light* 230V/40W with 2.5 minute adjustable light delay, antenna, door-in-door and flashing light connection.

Specify operator head and 30mm chain steel C-rail separately.

5580 Chain Drive Garage Door Operator

5580 Chain Drive Garage Door Operator
with:Heavy-duty AC motor
Chain drive
Flip-down light lens
Illuminated push button

2-Year Full Warranty

TÜV tested to meet EN12453 without IR sensors on doors up to 110kg / 13.5m^2

Operator head options:
Model No.
5580
5580GB

Description
800N 230-240V/50Hz, 400W, 2.5A
Reduction means: Gear 16:1
Lifting capacity: Automatic 0-80kg
Travel rate: appx. 133mm/s
Shipping weight - head: 12.2kg
Stand-by power consumption: 2.6W
Radio:
433.92MHz Smart superheterodyne receiver
Accepts 12 remote control codes, 1 DIP-switch code and 1 wireless keyless entry system code
One 3-channel mini remote control with rolling code

With 12-language EU instructions and Schuko cord-set
With UK 3-pin fused cord-set

3780 Chain Drive Garage Door Operator

3780 Chain Drive Garage Door Operator
with: Heavy-duty AC motor
Chain drive
Flip-down light lens
Illuminated push button
24V DC power terminal
2-Year Full Warranty

TÜV tested to meet EN12453 without IR sensors on doors up to 110kg / 13.5m^2

Operator head options:
Model No.
3780

Description
800N 230-240V/50Hz, 400W, 2.5A
Reduction means: Gear 16:1
Lifting capacity: Automatic 0-80kg
Travel rate: appx. 133mm/s
Shipping weight - head: 12.2kg
Stand-by power consumption: 2.6W

Radio:
Receiver and remote control are not provided
24V DC radio control power terminal on rear end panel

With 12-language EU instructions and Schuko cord-set

*Light bulbs not included

Garage Door Operator Kit

LiftMaster 60 DC Drive Garage Door Operator
with: 24V DC motor
Soft-start/soft-stop
Chain or belt drive
Illuminated push button
4-Piece C-Rail for 2.3m door height
1 light*24V/25W-included

2-Year Full Warranty

TÜV tested to meet EN12453 without IR sensors on doors up to 90kg / 10.7m^2

Description
600N 230-240V/50Hz 100W Tn=5 Nm
Reduction means: Gear 63:1
Lifting capacity: Automatic 0-60kg
Travel rate: appx. 160mm/s
Shipping weight: 12.5kg
Stand-by power consumption: 4W

Radio:
433.92MHz Smart superheterodyne receiver
12 memory registers
One 3-channel mini remote control with rolling code

Model No.		
LM60K	Chain Drive	With 12-language EU instructions and Euro cord-set
LM60R	Belt Drive	With 12-language EU instructions and Euro cord-set
LM60K-GB	Chain Drive	With UK 3-pin fused cord-set
LM60R-GB	Belt Drive	With UK 3-pin fused cord-set

Residential Garage Door Opener Systems

Rails

For LM1000A, LM800A, LM600A, 5580, 3780.
Specify operator head and rail separately.
All rails come with automatic chain or belt tensioner device.
Required headroom clearance: C-rail - 30mm

Model No.	Description
7017CR3	1-piece C-rail, full chain, for 1.7m door
7023CR3	1-piece C-rail, full chain, for 2.3m door
7025CR3	1-piece C-rail, full chain, for 2.5m door
7030CR3	1-piece C-rail, full chain, for 3.0m door
7423CR3	4-piece C-rail, full chain, for 2.3m door
7010CR3	1.0m C-rail extension kit, chain, master links, splice
7020CR3	2.0m C-rail extension kit, chain, master links, splice
8023CR3	1-piece C-rail, belt, for 2.3m door
8025CR3	1-piece C-rail, belt, for 2.5m door
8030CR3	1-piece C-rail, belt, for 3.0m door
8423CR3	4-piece C-rail, belt, for 2.3m door
8430CR3	4-piece C-rail, belt, for 3.0m door
8010CR3	1.0m Extension kit for C-rail, replacement belt for 4.0m door, splice
8020CR3	2.0m Extension kit for C-rail, replacement belt for 5.0m door, splice

Rail / Model Chart Recommendation:

	LM1000	LM800	LM600	5580	3780	LM60
7017CR3	X	X	X	X	X	
7023CR3	X	X	X	X	X	
7025CR3	X	X	X	X	X	
7030CR3	X	X		X	X	
7423CR3	X	X	X	X	X	(Included)
7010CR3	X	X		X	X	
7020CR3	X	X		X	X	
8023CR3	X	X	X			
8025CR3	X	X	X			
8030CR3	X	X				
8423CR3	X	X	X			(Included)
8430CR3	X	X				
8010CR3	X	X				
8020CR3	X	X				

41A780   Shim Adapter Bracket

- Lifts rail 8mm
- Provides slide-on connection
- Enables use of CR3 series rails on LM series operators with dark grey covers

the technology of the future

LiftMaster Operator General Specifications

LiftMaster Operator General Specifications

General

Door Linkage: Adjustable door arm
Logic Type: Solid-state microprocessor with built-in
surge suppressor
Solid-state light delay
Force Adjustment: Segmented - Automatic learn
Length of line cord: 1.2m

Convenience/Safety

Emergency quick release
Automatic trolley reconnect
Trolley disconnect mode setting
Ventilation/pet opening
Safety stop and full reverse
Up: Safety stop

Digital Radio Controls

Logic boards feature the exclusive Smart Button for programming transmitter codes to receiver memory.
RF Module: 433.92MHz - AM Superheterodyne
Rolling Code or Billion Code decoding
Operating Temperature: -30°C to +65°C
Battery (Remote Control): 2x3V or 1x3V(94335E)

Remote control may be programmed from operator or control panel.
Remote control may be programmed to control the opener light.
Remote control may be programmed to an open/close/stop function.
2-1/2 minute light timing adjustable to 1-1/2, 2-1/2, 3-1/2, 4-1/2 minutes.
Operator light may be programmed to turn on when IR beam is broken.

Diagnostics

LM1000A
LM800A
LM600A
LM60

1 Flash:	The Protector System™ open, misaligned or an object has broken IR beam for more than 4 seconds.
2 Flashes:	The Protector System™ wire shorted or connected backwards.
3 Flashes:	Door or wall control button wire shorted
4 Flashes:	IR sensor slightly misaligned (dim or flashing sensor LED) or partially blocked
5 Flashes:	No RPM in the first second of travel. Motor has stalled or the electronics did not see the RPM signal. The unit will stop or reverse in 1 second.
6 Flashes:	RPM caused a reversal (low force setting)
7 Flashes:	Bad logic board (Unplug and reconnect operator)
9 Flashes:	No passpoint detected during travel.
Rapid Flashing:	Transmitter code being received (Operator not necessarily programmed to respond)

5580
3780

1 Flash:	The Protector System™ open, misaligned or an object has broken IR beam for more than 4 seconds.
2 Flashes:	The Protector System™ wire shorted or connected backwards.
3 Flashes:	Door or wall control button wire shorted
4 Flashes:	IR sensor slightly misaligned (dim or flashing sensor LED) or partially blocked
5 Flashes:	No RPM in the first second of travel. Motor has stalled or the electronics did not see the RPM signal. The unit will stop or reverse in 1 second.
6 Flashes:	RPM caused a reversal (low force setting)
Rapid Flashing:	Transmitter code being received (5580 only) (Operator not necessarily programmed to respond)

Install all operators to EN12453 and/or IEC60335-95-2
All LiftMaster operators meet or exceed all applicable EU regulations.
All trolley operator impact forces, force sensing, door, weight, and size ratings have been tested and verified by TÜV-Rheinland.
All operators carry TÜV approval and CE marking.
All operators are HomeLink compatible.

BAS300
"Porte basculante" operator

Residential Garage Door Opener Systems

BAS300 "Porte basculante" Garage Door Operator

with: Heavy-duty AC motor
Built-in garage light
Push button on cover
Manual release with key
Water resistant enclosure

Model No.
BAS300K
With 1x 3-channel mini-transmitter (94335E),
IR-Sensors (771E), limit switches, RPM-sensor, control
board (CB3), 433MHz
Superheterodyne rolling code radio

Description

350Nm 230-240V/50Hz, 400W, 1.8A
Reduction means: Gear 700:1
Lifting capacity: 1 motor $8m^2$, 2 motors $14m^2$
Degree of protection: IP44
Travel rate: approx. 14 sec (90°)
1 light 230V/40W
Shipping weight - head: 11.5kg
Stand-by power consumption: 6W
Nemko tested to meet EN12453 with
IR sensors on doors up to $14.0m^2$

BAS300
For dual operator use

BAS-1-130
Reinforcement rail,
130cm standard
- 130cm long
- Ideal to mount the BAS300 to the door
- Provides easy mounting of operator to door
- Zinc coated
- Enforces door and provides safe mounting platform
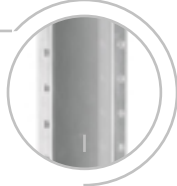
Transmission tubes
BAS-2-22, 22 cm long
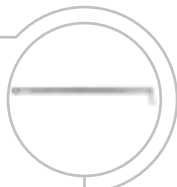**BAS2-150, 150 cm long**
BAS-2-200, 200 cm long
- Set of 2
- Zinc coated

BAS-3
Drive arms—straight
- Set of 2
- Standard drive arm
- Pre-positioned bushing for welding mount or screw mount of the transmission tube
- Welding connection at door frame

BAS-4
Drive arms—curved
- Set of 2
- Ideal drive-arm if garage door arm cross with the drive arm during operation
- Pre-positioned bushing for welding mount or screw mount of the transmission tube
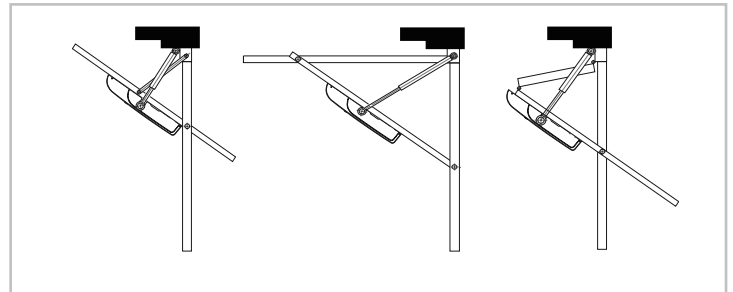- Welding connection at door frame

BAS-5
External release key
- Long Key
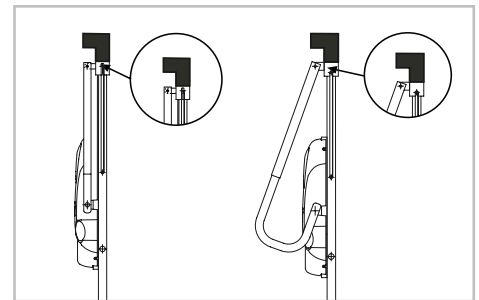- Includes Outside cover

BAS-6
Safety Edge Corner Connection
- Links safety edge around corners
- One long safety edge can be used
- Reduces wiring at door or gate
- For small safety edge profile

2-year warranty

$\mathsf{C}\mathsf{E}$

Install all equipment
in compliance
with EN60335-2-103

TÜV SAARLAND BAUART-GEPRÜFT
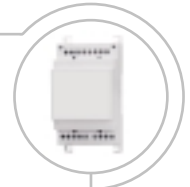
Accessories

207399
E-lock support board
- For CB3
- For use with 12Volt E-Locks
- Provides output power and wire connection

CB3 Control board
- For BAS300
- Can be used for wing and sliding gate openers to suit special applications
- Built-in receiver
- Compatible with 100263, 770E or 771E IR sensors
- Auto-close function (with 770E or 771E)
- 8.2KOhm direct safety-edge connection
- E-Lock control function
- Limit switch inputs
- RPM-sensor input
- Independent force setting UP/DOWN
- Soft-Stop
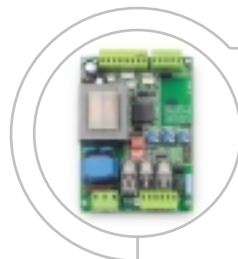
Remote controls
433.92 MHz

Featuring computer programmed security codes on the European harmonized frequency.

|		Billion Code	Rolling Code
Modulation: AM	**Weight:**	40g standard (25g mini)	40g standard (20g mini)
Range: Approximately 45m	**Dimensions:**	42x75x9mm standard	42x75x9mm standard
Operating temperature: -40°C to +65°C		37x62x10mm mini	36x60x8mm mini

Rolling Code

94330E
1-Channel Remote Control

- Rolling code security
- Operates with two 3V battery CR2032 (included)
- Visor clip included
- Yellow LED indicates battery strength
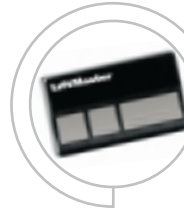
94333E
3-Channel Remote Control

- Rolling code security
- Operates with two 3V battery CR2032 (included)
- Visor clip included
- Yellow LED indicates battery strength

94335E
3-Channel Mini Remote Control

- Each channel separate rolling code
- Operates with one 3V battery CR2032 (included)
- Key ring included

Billion Code

4330E
1-Channel Remote Control

- One of 3.5 billion factory preset codes
- Operates with two 3V batteries CR2032 (included)
- Visor clip included
- Green LED indicates battery strength

4332E
2-Channel Remote Control

- One channel — DIP switch/19,683 codes
- Second channel 3.5 billion code
- 12V battery and visor clip included
- Green LED indicates battery strength
- 55 g / 40x87x9mm

4333E
3-Channel Remote Control

- Each channel one of 3.5 billion codes
- Operates with two 3V batteries CR2032 (included)
- Visor clip included
- Green LED indicates battery strength

4335E
Mini Remote Control

- Three channels
- Each channel one of 3.5 billion codes
- Operates with two 3V batteries CR2016 (included)
- Key ring included

390 MHz
970LM Mini Transmitter

- Three-channels rolling code
- Operates with one 3V batteries CR2032
- Key ring included

315.15 MHz
9315CN Mini Transmitter

- Three-channels rolling code
- Operates with one 3V batteries CR2032
- Key ring included

Remote Controls
27.145MHz

All transmitters come with LED light that indicates battery strength, 9V battery, visor clip and visor clip retainer.

Featuring computer programmed security codes on the European harmonized frequency.

Modulation: FM
Range: Approximately 45m
Operating temperature: -40°C to +65°C

Weight: 127g
Dimensions: 51x100x22mm

750E
1-Channel Remote Control Transmitter
- Computer-programmed security code
- One of 3.5 billion factory preset codes
- Green LED indicates battery strength
- 9 Volt battery

751E
1-Channel Remote Control Transmitter
- DIP switch coded — 19,683 code
- Red LED indicates battery strength
- 9 Volt battery

752E
2-Channel Remote Control Transmitter
- One channel — DIP switch/19,683 codes
- Second channel 3.5 billion code
- Green LED indicates battery strength
- 9 Volt battery

754E
4-Channel Remote Control Transmitter
- One channel — DIP switch/19,683 codes
- Three channels 3.5 billion code
- Green LED indicates battery strength
- 9 Volt battery

Keyless Entry Products

9747E
Wireless Keyless Entry System - Rolling code
Frequency 433.92MHz
- Back-lit keyboard for easy use in the dark
- Can control multiple doors with a separate code
- Includes: keypad, 9V battery, and mounting hardware
- With rolling security code
  Modulation: AM
  Weight: 165g
  Dimensions: 55x165x20mm

747E
Wireless Keyless Entry System- Billion code
Frequency 433.92MHz
- Back-lit keyboard for easy use in the dark
- Can control multiple doors with a separate code
- Includes: keypad, 9V battery, and mounting hardware
  Modulation: AM
  Weight: 165g
  Dimensions: 55x165x20mm

40E
Wired Keyless Entry System
- Electronics installed inside the garage
- Lighted keyboard for easy use in the dark
- 18-35V control voltage (keypad)
  Weight: 430g
  Dimensions: 55x160x20mm

727E
Wireless Keyless Entry System
Frequency 27.145MHz
- Back-lit keyboard for easy use in the dark
- Can control multiple doors
- Includes: keypad, 9V (3x3V Li) battery, and mounting hardware
  Modulation: FM
  Weight: 165g
  Dimensions: 55x165x20mm

STAR™250-433

Access control receiver

- Universal receiver with antenna
- Rapid Learn™ feature programs multiple remote controls in seconds
- User-friendly programming technology makes it easy to add, block and delete up to 250 remote controls individually
- Ideal for gated communities, parking lots and garages
- Compatible with Chamberlain™, billion code, rolling code and keyless entry technologies
- 433.92 MHz
- Duplicate memory module may be removed for programming additional receivers or for safe back-up storage

STAR™250-433
compatible remote controls

Billion Code	Rolling Code
4330E	94330E
4332E	94333E
4333E	94335E
4335E	
Keypads	Keypads
747E	9747E

The receiver will learn billion code, rolling code or dip-switch code remote controls simultaneously

STAR™250-433
specifications

Supply voltage:	12-24 volts AC or DC
Operating current:	250mA maximum
Oper. temp. range:	-40°C to +85°C
Frequency:	433.92 MHz
Relay contact rating:	1 amp @ 24 volts AC or DC
Warranty:	1 year

STAR™250-433
optional accessories

Part number	Description
041A2743X	Watertight box field install kit
86LM	Antenna extension kit
23024E	Transformer 230V/24V/AC

optional weather–proof accessory box for STAR™ receiver

Digital display
Displays remote controls location numbers when programming or access is granted. Also displays user prompts and messages.

Delete key
Used to delete a remote controls from the selected memory location.

Add key
Used to enter remote controls and enter Rapid Learn™ mode.

Star key
Used to enter advanced functions:
*,1-last remote controls received
*,2-no. of unused memory locations
*,3-no. of occupied memory locations
*,4-no. of blocked remote controls locations
*,5-first blocked remote controls location
*,7-software version #
*,0-audible diagnostic off/on

Antenna connection
For connection to the direct antenna or the antenna extension kit

Block key
Used to block receiver from granting access to the selected transmitter. Remote controls remains in memory, and may be unblocked in the future.

Numeric keypad
Used for programming and querying remote controls locations. Also used to enter advanced functions.

Pound key
used as an escape or exit key for all functions or modes.

The technology.

801719 2-Channel Receiver   Billion & Rolling Code

Frequency 433.92MHz

- 5-Pin connection
- 433MHz superheterodyne RF Module
- For LiftMaster remote controls
- Direct plug-in module for control boards
  GOC1A, GOC2A, CB1, CB2, CB3
- External antenna connection included

Modulation: AM
Memory: Accepts 15 codes
rolling code or computer
(billion) code

2-Year Warranty on Receiver

8002E 2-Channel Universal Receiver IP55   Billion & Rolling Code

All Frequencies

- Two channels
- Accepts LiftMaster RF modules
- RF module not included
- External power connection
- Test button
- Potential free output
- Water resistant plastic housing IP55
- Antenna

Memory: 15 codes each channel:
13 computer codes
or rolling codes
1 DIP-switch code,
and 1 wireless keyless
entry system code
Voltage: 9 to 35V AC/DC
Relay: 6A/60V max
Range: Approximately 45m
Please note: Order RF module separately
2-Year Warranty on Receiver

7430E Universal Receiver   Billion Code

Frequency 433.92MHz

- One channel-computer (billion) code
- Illuminated push-button
- Optional Plug-in AC transformer terminal
- Can be mounted on wall with wood screws
  provided, or piggy-back mounted directly
  to terminal strip of garage door openers
  with mounting strips (also provided)
- Has jumper option for momentary or
  constant relay contact
- 3 screw terminal connections on outside of case

Type: AM superregenerative
Memory: Accepts 12 computer
codes, 1 DIP switch code,
and 1 wireless keyless
entry system code
Voltage: 8 to 35V AC or DC with
automatic selection
Range: Approximately 45m
Output Control: Relay switches up to 5A
3-Year Warranty on Receiver

7433E Three Channel Co-axial Universal Receiver   Billion Code

Frequency 433.92MHz

- Three independent channels (one can
  be set for normally closed operation) -computer (billion) code
- Optional Plug-in AC transformer terminal
- External co-axial antenna included
- 455mm color-coded wire leads for each
  channel provided
- Continuous contact closure
- Open/Close/stop function
- Potential free output

Type: AM superregenerative
Memory: Each channel accepts 4
computer codes, 1 DIP
switch code and 1 wireless
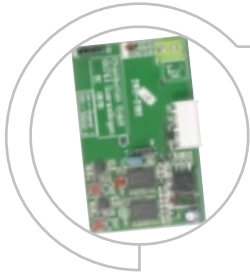keyless entry system code
Voltage: 18-35V AC or DC with
automatic recognition
Range: Approximately 45m
Output Control: Relay switches up to 5A
3-Year Warranty on Receiver

---

the technology of the future

Receivers

801702 2-Channel Receiver Adapter

Billion & Rolling Code

All Frequencies

- 5-Pin connection
- Order RF module separately
- For LiftMaster remote controls
- Direct plug-in module for control boards
  GOC1A, GOC2A, CB1, CB2, CB3
- External antenna connection included

Memory: Accepts 15 codes
rolling code or computer
(billion) code

2-Year Warranty on Receiver

RF modules

RF modules 801429

Frequency 27.145MHz

- Superheterodyne
- For LiftMaster remote controls
- Direct plug-in to 801702, 801337
  or 8002E

801221

Frequency 433.92MHz

- Superheterodyne
  ("Narrow-band")
- For LiftMaster remote controls
- Direct plug-in to 801702, 801337
  or 8002E

Modulation: AM

Radio Control Accessories

86LM Receiver Remote Antenna Mounting Kit

For use with 3-Channel Universal Receiver models when remote operation is needed

- Kit contains: antenna bracket and 4.5m of cable.

ANT4X-1LM Garage Door Opener Remote Antenna Mounting Kit

For use with the co-axial antenna connection on LiftMaster Garage Door Openers with 418MHz or 433.92MHz
radio controls when remote operation is needed.

- Kit contains: 418/433.92MHz antenna, adapter, antenna bracket and 6.0m of cable.

Door and Operator Accessories

3LM

LiftMaster 3-Volt Batteries

- 10 batteries per pack
- CR2016
- For Mini-transmitter 4335E

12LM 12-Volt Batteries

- 10 batteries per pack
- For 433.92 MHz remote controls with LED on top face

25LM 9-Volt Batteries

- 10 batteries per pack
- For 9747E/747E keypad and 27MHz remote controls

75LM Illuminated Doorbell Push-button

- Non-Polarized installation
- High-impact, weather-resistant plastic construction
- Will work with either AC or DC openers
- Includes: push button and mounting screws

89LM Vibration Isolator Kit

- Installs between operator and ceiling mount
- Reduces noise from transmitted vibration
- Includes: two vibration isolators, lock-washers and nuts

78LM Multi-Function Control Panel

- Large actuator button with continuous illumination via an LED
- Large lock and light buttons
- The lock/security switch, when activated, prevents the operator from receiving remote control signals
- Light switch turns the garage door opener light on and off
- Wire routing though all 4 sides of panel
- For use on LiftMaster Garage Door Openers with 3 terminal connections manufactured after 01.01.95

98LM Motion Detecting Control Panel

- Passive infrared sensor (PIR) will automatically turn on the garage door opener light(s) when a person enters the sensing area
- Can be used in place of a standard illuminated push button or multi-function control panel
- Same functional features as model 58LM/78LM multi-function control panels
- 150° PIR sensing angle
- On/off switch
- Light sensitivity adjustment
- Illuminated push button
- Soft white plastic housing for a *finished* look in garage
- For use on LiftMaster Garage Door Openers with 3 terminal connections manufactured after 01.01.95

760E Outside Key Lock

- 12 tumblers provide double locking action
- Self-cleaning barrel action
- Weather-resistant aluminum face plate
- Cannot be shorted out from the exterior
- Includes: lock, wire, hardware and two keys

770E The Protector System™

Infrared non-impact safety reversing sensor

- For use with LiftMaster Garage Door Openers
- IP56
- Current draw — 13ma maximum
- Operating voltage — 6V
- Operating temperature range: -40°C to +70°C
- Red light LED indicates IR beam continuity
- Heavy duty steel brackets protect sensors from misalignment and damage
- Includes: emitter, detector, steel brackets, wires and installation hardware
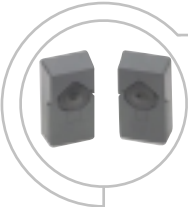
771E Failsafe IR Sensor

- IP44
- Current draw 20mA maximum
- Status LED indicates the IR sensor's continuity
- For use with CB3 & all LiftMaster garage door openers
- 2-wire system
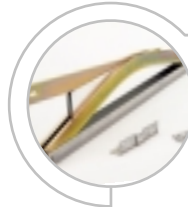
1701E Bowarm

- For doors with vertical tracks
- Heavy duty steel construction

1702E Quick Release Lock

for vault type garages

- For exterior manual operation
- 1.8m industrial strength connecting cable
- Non-corrosive stainless steel face plate and spur washer
- Extension sleeve for doors up to 50mm thick
- Positive connection between cable and trolley release
- Includes: lock, sleeve, cable, connectors and two keys

1703E The Chamberlain Arm™

- Especially designed for the unique require ments of British canopy doors
- Delivered pre-assembled with an integral safety guard
- Easy installation
- Can open a canopy door to the full horizontal position
- Includes: fully assembled door arm, straight connecting arm, hardware and mounting tem plate

9-13-1 Reinforcement Bracket

- Reinforce thin sheet steel doors
- Adjustable length — can fit any size door panel

16200LM Door-in-Door Switch

- For use with pedestrian doors within a garage door
- Prevents the operator from activating when the switch/pedestrian door is open
- Open/close switch, easy to connect to garage door opener
- Includes: switch, wires and hardware

100010 Keyswitch 1-Function, Surface Mount

- Profile half cylinder
- 75x75x60, ø60 x 51 deep
- IP54, 3 keys

100027 Keyswitch 1-Function Flush Mount

- Profile half cylinder
- 75x75x50
- IP54, 3 keys

100034 Keyswitch 2-Function, Surface Mount

- Profile half cylinder
- 75x75x60, ø60 x 51 deep
- IP54, 3 keys

100041 Keyswitch 2-Function, Flush Mount

- Profile half cylinder
- 75x75x50
- IP54, 3 keys

100119   Door Arm Extension

- 2.8m extension
- For use when an operator must be mounted behind an open door

23009E Transformer 230V/9/AC
23024E Transformer 230V/24V/AC

- CEE 7/16 Europlug
- Cable — 1m
- 2 wire termination

FLA230 Flashing Light Kit

- When connected to a LiftMaster Garage Door Opener the light will flash when the door is in motion
- Provides an additional measure of safety to the installation
- Connects to garage door opener logic board and 230V
- Lamp voltage: 230V
- Includes: lamp assembly, light bulb and mounting hardware

EQL01 Door Handle Quick Release

- For exterior manual operation
- Use garage door handle and lock
- Includes: cable, hardware, adapters and instructions

MDL100LM Mechanical Door Latch

- Latch attaches as a door bracket and provides a mechanical lock when the operator closes the garage door
- Provides additional security to the installation
- Easy to connect to garage door and trolley
- Garage door latches at the bottom of the door
- Includes: latch assembly, brackets, cable, and mounting hardware

SDA-1LM Wing Door Adapter

- For up to 2.5m outward opening wing doors
- Easy to connect to garage door and trolley
- Includes: 2 arms, brackets, connecting pins, and mounting hardware

Internet

The LiftMaster™ Dealer Extranet... A Password

Protected Website Designed Exclusively For You!

Now you can access the latest product information, technical bulletins, promotional offerings, place orders and check shipping status ... all from your computer 24 hours a day. 7 days a week.

Use your login and password to log on to the Dealer Extranet at http://b2bnet.liftmaster.com. With your catalog in hand placing an order on the website is easy.

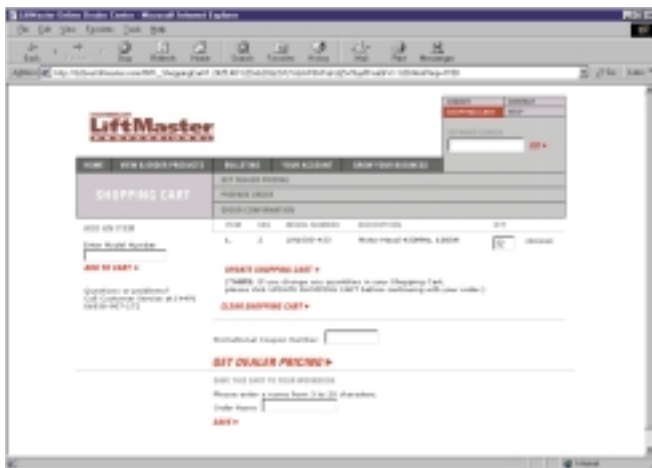**1)** make a note of the model you wish to order that is in the catalog:
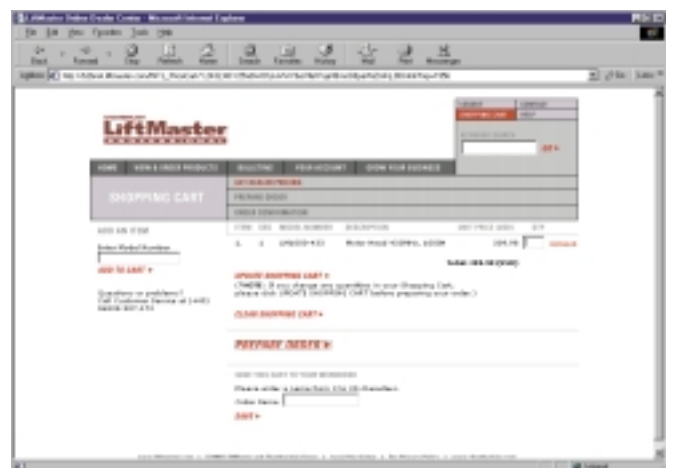
12LM

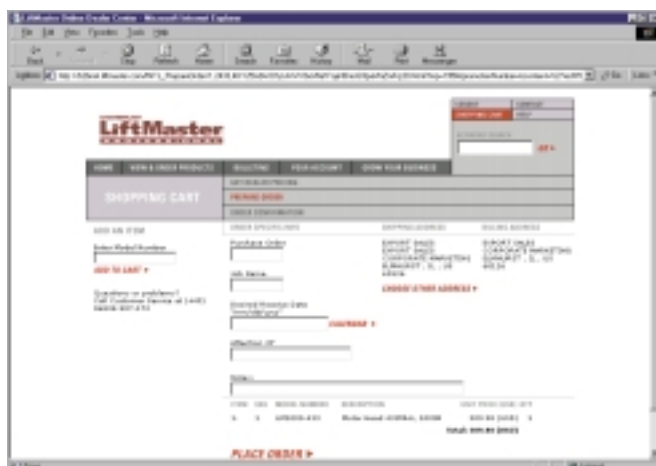### LiftMaster 12-Volt Batteries

- 10 batteries per pack

2) Log on to the internet and go to the shopping cart.

3) Enter the model number from above in the "Add to Cart" box. then click on add to cart. Add the products you need, and adjust the quantities and click on "update the shopping cart".

4) The third step is to Click on: GET DEALER PRICING.

5) Then Click on PREPARE THE ORDER. And fill in all of the areas in that are empty. Finally click on: Place Order and your are finished.

Chamberlain Professional Products Customer Service

Germany
Alfred-Nobel-Str. 4
66793 Saarwellingen
Germany
Tel.: +49(0)6838/907-250
Fax: +49(0)6838/907-179

USA
845 Larch Ave.
Elmhurst, Ill., 60025
USA
Tel.:+1 630-993-6025
Fax:+1 630-530-6751

Chamberlain Professional Products Branch Offices

UK
Abbey Manor Business Centre
Preston Road
Yeovil Somerset BA20 2EN
Tel. (+44) (0)1935 848526
Fax. (+44) (0)1935 848527

Benelux
Postbus 10169
1001ED Amsterdam
The Netherlands
Tel.: (+31) 020-673-3626
Fax: (+31) 020-673-3610

NE Europe
ul. Sportowa 10/17
35111 Rzeszow
Poland
Tel.: (+48) 17 850 7950
Fax: (+48) 17 853 0122

Asia
Chamberlain Pte Ltd.
6-C Tanjong Rhu Road
10-02 La Ville
Singapore
Tel.: (+65) 6342 0418
Fax: (+65) 6346 2248

Scandinavia
St. Jorgensvei 77
0662 Oslo
Norway
Tel.: (+47) (0)97 59 11 18
Fax: (+47) (0)22 65 51 26

France
4, rue de Copenhague
67300 Schiltigheim
France
Tel.: (+33) 03 87 98 15 93
Fax: (+33) 03 87 95 48 16

Italy
Via Fermi 5
24053 Brignano Gera d'Adda (BG)
Tel. (+39) 0363.382100
Fax. (+39) 0363.817023

SE Europe
Deviata 4/A
83101 Bratislava
Slovakia
Tel.: (+421) 2 5479 3727
Fax: (+421) 2 5465 2932

China
Chamberlain Automation
Systems (Shanghai) Co., Ltd.
1st Floor, Building A, 500 Bing Ke Road
Waigaoqiao Free Trade Zone,
Pudong New Area,
Shanghai, China 200131
Tel: (+86) 21 5869 8833
Fax: (+86) 21 5869 0432

Chamberlain is an ISO9001 certified manufacturer

the technology of the future