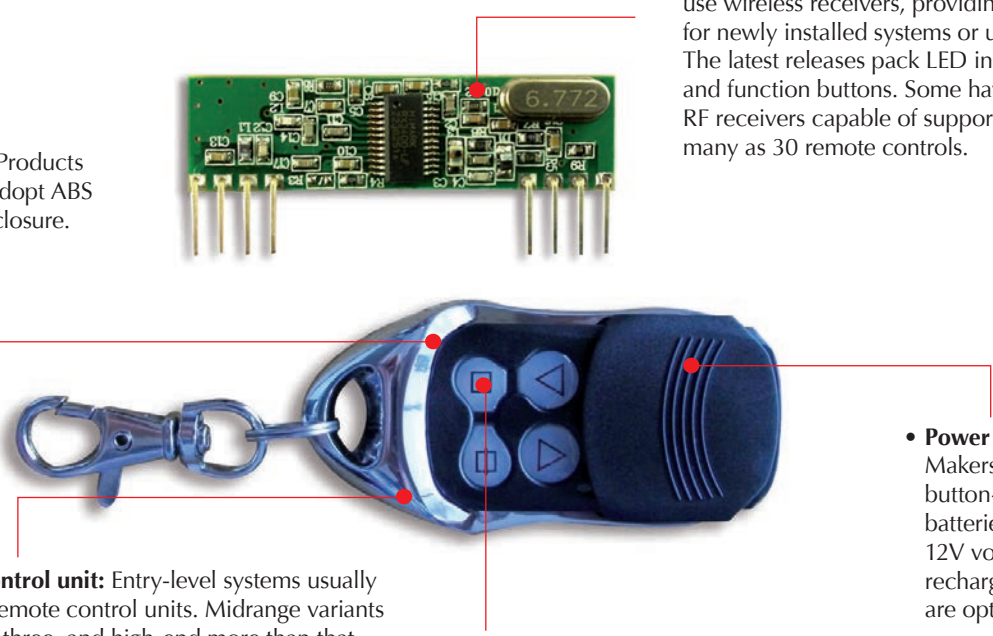


Rolling codes standard in advanced units

Typical features

- **Housing:** Products typically adopt ABS for the enclosure.
 - **Control board:** Suppliers may or may not use wireless receivers, providing options for newly installed systems or upgrades. The latest releases pack LED indicators and function buttons. Some have built-in RF receivers capable of supporting as many as 30 remote controls.
 - **Power source:** Makers use button-cell or AAA batteries with 6 or 12V voltage. Built-in rechargeable types are optional.
 - **Remote control unit:** Entry-level systems usually have two remote control units. Midrange variants have up to three, and high-end more than that. Products usually work with ASK modulation on 315MHz or 433MHz. Basic versions employ 315MHz, while higher priced units operate on 433MHz. In terms of design, most adopt a key ring structure, with or without an external antenna.
 - **Door opening mechanism:** Mainstream models work with most motorized garage doors, and support section, rolling, sliding or swing types. These support 6 to 15N·m output torque, 3 to 5m lift height and 80 to 200W output power. A built-in lamp is available on request.
- 

Price range (per set)	Basic features
\$70 to \$100	Two remote controls; 315MHz operating frequency, fixed code; 6 to 7N·m output torque
\$101 to \$150	Two or three remote controls; 433MHz operating frequency, rolling code; 7 to 10N·m output torque; auto-reverse and -closing
Above \$150	More than three remote controls; 433MHz operating frequency, rolling code; 10 to 15N·m output torque; auto-reverse and -closing

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Top trends

- **Rolling codes:** More midrange and high-end models employ rolling codes to enhance security. Units work with ASK modulation on 315 or 433MHz. Most makers accept custom specifications for the operating frequency, and fixed or rolling code encryption.
- **Automatic operation:** Suppliers employ traditional RF or the latest RFID technology. The first requires in-vehicle installation and uses the car horn as actuator. RFID models, which are more expensive, enable a more seamless connection between the receiver mounted in the garage and the card or tag.
- **Mechanical & circuit enhancements:** Anti-jamming, -bump and auto-release functions are added to mainstream devices. Makers are also using programmable time delay in closing the door. Built-in lamp and an emergency stop button are optional. Some high-end varieties support soft start and stop.
- **Price projections:** Several companies expect prices to be the same or increase slightly in the next six to 12 months.

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[Dongguan LP Door Control Equipment Co. Ltd](#)

★★★★★

Model: LPT-001-1

Description: Learning code; SAW lock transmitter frequency; 433.92MHz

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[Gatech Automation Industrial Co. Ltd](#)

★★★★★

Model: S-G3

Description: Swing gate opener; 40W motor power; 3,200rpm rotation speed; 2x80W maximum load; IP44/55 rating

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[Hangzhou Hiland Technology Co. Ltd](#)

★★★★★

Model: T5301

Description: 4-channel; 433.92MHz; 12V

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[Qinuo Electronics Co. Ltd](#)

★★★★★

Model: Rx3400

Description: Remote control receiver; superheterodyne ASK module; 315/433MHz; <9.6Kbps transmission

[INQUIRE NOW](#)



[Shenzhen Eazylift Technology Co. Ltd](#)

★★★★★

Model: ES1008

Description: Swing door motor; 20VDC operating voltage; 5A single-motor maximum current, 80W power output; ≥320N pushing power

[INQUIRE NOW](#)



[Zhangzhou Changtai New Qilin Machine Co. Ltd](#)

★★★★★

Model: ATA PTX4

Description: 433.92MHz; <10mW transmission

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