

User Manual

PK250 Keypad Transmitter

The PK250 is a keypad transmitter designed for the MySpot 200 and the MySpot 500 barrier systems. It allows the control of 250 individual parking barriers, even if they are located side by side.

Applications include valet parking, office buildings and guard houses.



The PK250 is a hand-held transmitter for the MySpot barrier system

USE Instructions

- Assign a 2 or 3 digit number for the barrier you wish to control. For example, the number can be 09 or 009. The largest number is 250, the smallest is 01.
- 001 sends the same code as 01.
- You can send either Toggle commands or Discrete commands. A toggle means that the barrier will go up if it was down, and down if it was up. A discrete command means that the barrier will only move in the desired direction (up or down).
- To **TOGGLE** the barrier, enter the barrier number, followed immediately by the <Enter> key.
- For example, if the barrier number is 43, press **43<enter>** or **043<enter>**.
- The green LED on the upper corner of the keypad will flash briefly as the keys are pressed. When the command is sent after the <enter> key, the LED will stay on for 2 seconds.
- To send a discrete **UP** command, press 6 followed by the barrier's **3-digit** number followed by <Enter>. If you use a 2 digit number like 43, add a leading zero and send 6043<enter>.
- To send a **DOWN** command, press 7 followed by the **3-digit** number and <Enter>. For example, 7043<enter>.
- The barrier should rise or fall in response to the command.
- The PK250 automatically goes to sleep 5 seconds after the last key was pressed.
- Pressing the * key clears any previous entries.

key **A** again. In the MySpot 200, the motor will sound again. In the MySpot 500, the green LED will flash twice.

9. Two seconds after the motor or the LED stopped, press **43<enter>** (if that was the address you want to add) on the PK250. In the MySpot 500, the red LED will flash 3 times.
10. After the green indicator on the Pk250 turns off, wait 2 seconds then press the programmed button on the authorized "A" transmitter. In the MySpot 200 the motor will whirl. In the MySpot 500, the green LED will flash 4 times. This indicates a successful pairing.
11. To verify that the PK250 has been paired properly, press **43<enter>**. The motor should respond and the barrier should fall or rise.

Batteries

The PK250 is powered by 3 AAA alkaline batteries. The batteries will last 2-3 years, depending on usage. Remove batteries if not used for long periods else the batteries will corrode and damage the unit.

Antenna and Range The PK250 is supplied with a short 1/4 wavelength antenna. The range in free air is 30 meter. For longer range, use an antenna with more gain, or a roof-mounted antenna. Use a 50 ohm cable to connect to the SMA connector on the PK250.

Copyright and Patents

MySpot 500 is covered by design and utility patent applications and issued patents. MySpot is a trademark of Designated Parking Corp.

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Configuring the PK250

The PK250 is supplied from the factory with a random facility code. The PK250 supports 4,095 different facility codes. If you wish to change the code (for example, to create zones in the parking lot, or to restrict control to particular barriers), you need to change the facility code. *If you make the changes after the PK250 was paired with the barriers, it will no longer control them and you need to re-pair the PK250 with the barriers.*

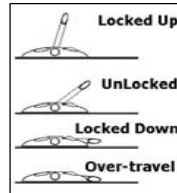
To Change the facility code

- Enter the following sequence on the keypad:
* 9 2 5 0 <Enter>
 - 1. The indicator (LED) on the PK250 will flash 3 times to acknowledge the command
 - 2. Enter the desired facility code:
* A B C D <Enter>
- The number **ABCD** can be between 0001 and 4095
3. The indicator on the PK250 will flash 6 times to acknowledge the command
 4. The PK250 will immediately return to the normal operating mode.

Re-boot the MySpot 200

The PK250 can be used to send a reboot command to the MySpot 200 parking barriers. This can be done only if it is already paired with the barrier. The boot command deletes all authorization codes in the MySpot 200. This is useful if authorized transmitters were lost, or changes are required in which transmitters can control the barrier.

1. Place the barrier in the Locked Up position and step next to the barrier to keep the barrier locked-up.
 2. Send an address command e.g. **43<Enter>**
 3. Wait until the motor inside the MS200 stopped running and the PK250 LED is off.
 4. Send command * **9241<Enter>**
 5. Motor will whirl for 1-2 seconds.
- The barrier is now in "virgin" state and will pair the first transmitter command as authorized



Other Commands

- Hibernation: *9240<enter>
- Transmit for 60 seconds (RF test) *5478<enter>

Re-boot the MySpot 500

The PK250 can be used to send a reboot command to the MySpot 500 parking barriers. This can be done only if it is already paired with the barrier. The boot command deletes all authorization codes in the MySpot 500. This is useful if authorized transmitters were lost, or changes are required in which transmitters can control the barrier.

1. Send an address command (example for unit #43): **43 Enter>**
2. Wait until the MySpot 500 stopped moving.
3. * **9 2 4 1 <Enter>**
4. The red and green LEDs on the MySpot 500 housing will flash alternately 3 times.
5. The PK250 returns to the normal operating mode

The barrier is now in "virgin" state and will pair with the first transmitter command.

Pairing the PK250 with MySpot 200/500

The procedure of adding the PK250 to the authorized list of the barrier is similar to the addition of the HT transmitters. See MySpot 200 or MySpot 500 installation manual for more details.

Use a previously paired transmitter as the "master", to authorize adding the PK250 to the list.

1. In the case of the MySpot 200, place the barrier in the Locked Up position. Prop the barrier with your leg so that the barrier will not fall when activated.
2. In the case of the MySpot 500, bring the barrier down via a command, then step on it to prevent it from rising during the procedure.
3. Hold the authorized transmitter ("A") in one hand, and the PK250 ("B") in the other.
4. The sequence as explained below is **A-A-B-A**.
5. Press the previously programmed button on the *authorized A* transmitter.
6. In the MySpot 200, the motor will whirl. In the MySpot 500, the green LED will flash once.
7. The green indicator on the HT transmitter will stay lit for 2 seconds. (If the HT transmitter is set to a 2-button mode, press the two keys in sequence to get the motor to whirl.)
8. Two seconds after the motor stopped, press the authorized