

QAS-CHEAT SHEET

WIRELESS DEVICES WITH PC1616/1864 PANEL

RELEASE 1

Programming Wireless for PC1616/1864 v4.2

Start programming with the panel disarmed; then enter ***8 5555** where 5555 is the default installer code. Program light will flash and Armed LED will be on. When a 3 digit section is entered, the Program light will flash and the READY light will also be on.

[101-132] Zone Attributes

Enable option 8 to make the zone a wireless zone

E.g. Press **109 8 #**. This will make zone 9 a wireless zone.

Ensure all wireless zones have option 8 in corresponding section turned on wireless will not work without this option being turned ON.

Only the first 1-32 zones can be used for Wireless Zones (applicable only to PC1864 which has capability for 64 zones)

[804] Wireless Programming

All Wireless device programming is carried out in section 804

Enter section **[804]** from within installer mode for wireless programming zones

[01]- [32] Wireless Devices serial numbers for zones 01 to 32

01 for Zone 1 | _ _ _ _ | Enter 02 for Zone 2 etc.

NOTE: Every wireless device has an Electronic Serial Number (ESN) label,

Enter the ESN shown on the back of each device (e.g. 388C8E= 388*3*8*5)

To enter letters in the serial number press the * (star) button [1-6] for letters [A-F]

E.g. Press **804 01 388*3*8*5 #** you have now programmed zone 1.

[41]- [56] Wireless Keys serial numbers for key fobs 01 to 16

[41]- [56] Wireless Key FOB's #1 to #16 e.g ESN A12D45

41 for key Fob 1 | _ _ _ _ | Enter 42 for key

E.g. press ***1*12*2*45 #**. Also see notes below.

If you find that the remote key fob disarms, but does not arm the system, ensure option 4 in section [015] is ON.

If you find that the remote key fob arms and does not disarm, ensure option 1 is ON in section [017].

If you find that key fob fails to arm or disarm the system, reset the key fob by:-

Step 1; hold down all four buttons simultaneously until the led flashes then release buttons.

Step 2: press unlock button (padlock) Led will stop flashing.

Reset complete

[81] Wireless Supervision Window, default = 10

| _ 9 _ | _ 6 _ | this will increase supervision to 24 hours.

E.g. press **81 96 #**.

[90] Other Options: Turn off RF jam, option 7 on

Turn option 7 ON.

E.g. press **90 7 #**.

NOTE: If using the RFK keypad ensure that [90] Option 3 is ON to disable Wall Tamper



[904] Wireless Module Placement Test

It is very important to test the proposed placement of each wireless device before it is mounted. Following these steps will test the signal strength between the receiver and the wireless devices. You can test all of the devices together (global placement testing) or test each device individually.

NOTE: After you have enrolled the wireless devices, you must exit and then re-enter installer's mode at least once before you can perform a placement test.

Testing All Wireless Devices Together:

1. Temporarily put the wireless devices in the places you want to mount them. Ensure that all doors and windows are shut.
2. At a system keypad, enter [*][8][Installer's Code].
3. Enable the Global Module Placement test by entering section [804]. Then enter sub-section [90] and turn on option [8].
4. Press [#] twice.
5. Enter programming section [904], then enter [01].
6. Activate one of the devices being tested until a result is displayed on the keypad or sounded by the keypad or bell:

WS4904: To perform a Placement Test on the WS4904, remove the detector from the back plate and then replace it.

Once the detector is replaced on the backplate the LED on the detector will flash rapidly 5 times to indicate that it has sent a transmission. The panel will show and/or sound the result of the placement test on the keypad. To perform a 2nd and 3rd test, repeat this procedure. Carefully replace the backplate onto the detector, ensuring that "TOP" is facing upward, or you may damage the tamper switch.

NOTE: If requiring Pet Immunity, the jumper setting inside the PIR needs to be set to "SLOW". By default it is set for "FAST" detection.

NOTE: When you remove the detector from the backplate (tamper the unit), the detector will also be put into "Detector Walk Test" mode. While in Walk Test Mode the detector will activate the LED when motion is detected. The detector will also send a signal to the receiver 5 seconds after motion is detected, indicated by 5 rapid flashes by the LED. The LED will only work in this fashion for 10 motion detections after a tamper/restore. Note, that the panel will ignore these transmission signals with respect to a placement test. The only way in which the panel will acknowledge a placement test, is if the backplate has, each time, been removed and restored.

WS4916: Remove the detector from its backplate, wait 5 seconds and reattach it, or hold a magnet near the raised line on the outer rim, then remove it.

WS4945 and WS4975: Open the contact by moving the magnet away from the unit. The keypad will show/sound the test result. After the first test result has been generated (about 10 seconds) close the contact to generate another test result. If the unit is attached to a door or a window, open and close the door or window to activate the device.

WLS912L-433: Press and hold the test mode tab for 5 seconds. Release the test mode tab.

Testing & Mounting

Read the test results at the keypad:

Result	LED Keypad	LCD Keypad	Buzzer/Bell
Good	Light 1 On Steady	"Good"	1 Beep/Squawk
Bad	Light 3 On Steady	"Bad"	3 Beeps/Squawks

Activate the device until you get 3 good results in a row.

You may mount the devices where results were good. Devices indicating a bad result must be moved to another location. You may only have to move the device a few inches to correct a bad result.

NOTE: Do not mount any device where a "bad" test result was indicated.

7. Go to the next device to be tested and activate it until the test result is displayed/sounded.

NOTE: Wait until the placement test of one device is shown/sounded before beginning to test the next device. Continue to test the devices until both the PC5132 and the devices are in good locations. If several wireless devices produce BAD test results, you may need to move the RF5132 to a better location.

8. To exit the placement test and return to installer programming, press [#] twice.

Testing Individual Wireless Devices:

1. Temporarily place the wireless device in the place you want to mount it. Ensure that all doors and windows are shut.
2. At a system keypad, enter [*][8][Installer's Code].
3. Enter programming section [904].
4. Enter the 2-digit zone number for the device to be tested.
5. Activate the device being tested until a result is displayed on the keypad or sounded by the keypad or bell.
6. To test another device, press [#] once, then repeat steps 4 - 5. Continue to test the devices until both the receiver and the devices are in good locations. If several wireless devices produce BAD test results, you may need to move the receiver to a better location.
7. To exit the placement test and installer programming, press [#] twice.

Testing Individual Wireless Keys:

You cannot use the individual device test described above to test wireless keys. To ensure that the RF5132 receiver is receiving transmissions from the devices, use the function keys on the Wireless Keys at several different points in the installation.

[902] Supervision reset this should be done on the completion of programming.

E.g. Press 902 #.

Troubleshooting Wireless

1. When I enter the 2-digit zone number when adding a wireless device, the keypad gives me a long beep.

You cannot enter ESNs unless a RF5132 wireless receiver is connected to the Keybus. It may be in-built into the RF Code pad or standalone.

2. I have entered the ESN for the device but when I violate the device, the zone does not show open on the keypad.

Check the following:

- Ensure the ESN has been entered correctly
- Ensure that the zone is enabled for the partition (if partition programming is used).
- Ensure that the wireless zone is not assigned to a zone used by PC5108 modules, an on-board zone, or a keypad zone.
- Ensure that the zone is programmed for something other than “Null Operation”, and that the wireless zone attribute is turned on.

3. When I try a module placement test I get no result or “Bad” results.

Check the following:

- Verify that you are testing the correct zone
 - Verify that the correct ESN was entered when the device was enrolled
 - Verify that the device is in range of the RF5132. Try testing the device in the same room as the receiver.
 - Confirm that the RF5132 is properly connected to the Keybus.
 - Check that you are testing the zone correctly.
 - Check that the batteries are working and installed correctly.
 - Look for large metal objects that may be preventing the signal from reaching the RF5132.
- The device must be located where consistent “Good” results are obtained. If several devices show “Bad” results, move the receiver.

4. The LED on the motion detector does not turn on when I walk in front of the unit.

The LED is for walk test purposes only. See your WS4904 Instruction Sheet for walk test instructions.