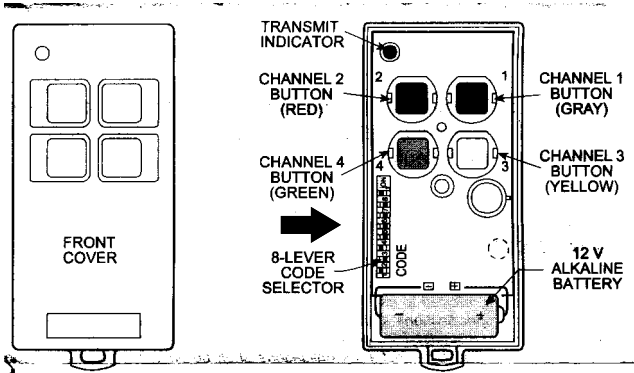


# CHANGING OPERATING FREQUENCIES WIRELESS REMOTE CONTROL



## PEHRATEK WIRELESS TRANSMITTER MODULE

### 3.2 Coding

- A. All WT-104 units have an 8-key DIP switch block (marked 1 to 8). Each switch may be set to ON or OFF position, to create a unique digital system code - see Figures 1 and 2.

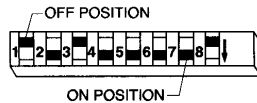


Figure 2. Code Selector

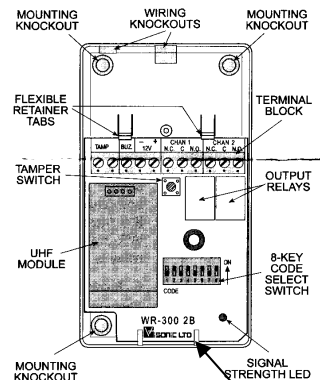
- B. Use a ball point pen to set each of the switches to match the code setting of the companion receiver.

**CAUTION:** The code combination 2, 4, 5, 6, 7 ON / 1, 3, 8 OFF is a factory test code which must not be used. Also avoid codes which are often used: all keys ON, all keys OFF or alternating ON/OFF settings.

## INSTRUCTIONS

*Match up DIP switch settings so that the transmitter and receiver modules are identical. If erratic operation or interference occurs, change switch settings to a new sequence.*

## PEHRATEK WIRELESS RECEIVER MODULE



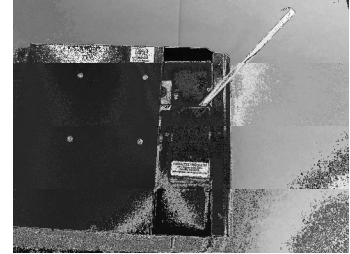
PEHRATEK PRODUCTS  
9285 Pierson Lake Drive  
Chaska, MN 55318  
(952) 470-9063

JUMPER PINS DENOTE :  
RIGHT #2  
LEFT #1  
CENTER #3

# TROUBLESHOOTING RF PROBLEMS WITH WIRELESS VRA SYSTEMS

## 1) ANTENNA POSITION

To increase the sensitivity of the RF receiver make sure that the antenna is fully extended away from all metal including the sound wall and outer case of the unit. Using a plastic straw to maintain the position of the antenna wire can be a helpful trick .

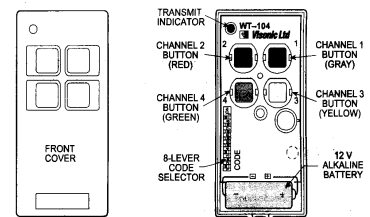


## 2) CHANGE BATTERY IN THE REMOTE CONTROL

Replace the battery in the remote control to be assured that an adequate RF signal is being generated from the transmitter.

## 3) CHANGE OPERATING CHANNELS

In situations where there is a lot of RF from other wireless sources such as wireless networks Bluetooth and other RF transmitters, changing the operating frequency can alleviate some cross interference from RF energy interfering with the consistent reception of the signal sent from the remote control. (See page 2)



## 4) USE RF BOOSTER

Some double-walled sound rooms limit the amount of RF energy that can enter through the glass to consistently operate the VRA system. Employing an RF booster can reinforce the signals and relay them to the receiver that is positioned near the back of the booth. Try positioning the RF booster near the window inside the booth for best results. Powered by external AC adapter.



## 5) PASSIVE RF ANTENNA

A simple yet effective solution to weak RF transmission in the booth is to use a passive RF antenna that will allow for specific frequencies to radiate into the sound booth more easily. Using two 1/4" plugs attach a wire approximately 10" long to the center (Tip) on both plugs. Insert each plug into the same jack on the jack panel on the outside and inside of the booth.



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