

### **1. How does this device operate?**

1. Plug the 12 Volt adapter end of the VRFM 6 Modulator into the vehicle's 12 Volt cigarette lighter socket or 12 Volt Power Outlet.
2. The Red LED Digital Display will light up indicating that the unit has power, and on what FM frequency it is transmitting, 88.1 is the default.
3. Insert the 3.5mm plug of the supplied audio cable into the stereo headphone jack of an MP3, CD, or DVD player. Insert the 3.5mm plug of the cable into the 3.5mm stereo jack on the underside side of the VRFM6.
4. Tune your car stereo to one of the 13 pre-set FM frequencies of the VRFM6 that is not being broadcast on by any local radio stations. (88.1, 88.3, 88.5, 88.7, 88.9, 89.1, 106.7, 106.9, 107.1, 107.3, 107.5, 107.7, 107.9)
5. Press the + or – on the Pre-Set Channel Rocker Button to select the FM frequency that you have set the car stereo's tuner to.
6. Press the Play Button on the player that you connected to the VRFM6.
7. The Music/Audio will be transmitted from VRFM6 to the vehicle's stereo system.

### **2. Provide information on the device and its antenna.**

We use (1.6x0.8mm) 10uh inductance as antenna.

### **3. How is it installed?**

Plug the 12 Voltage adaptor end of the VRFM6 modulator into the vehicle's 12 voltage cigarette lighter socket or 12 Voltage Power Outlet.

### **4. What test procedure was used?**

The market sample is tested for low frequency testing at 88.1 MHz and high frequency testing at 106.7 and 107.9 MHz.

The radiation test procedure were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.4:2003, The specification used in this report was the FCC Part15 Paragraph 15.239 limits. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB $\mu$ V of specification limits), and are distinguished with a "Qp" in the data table. The EUT was under normal mode during the final qualification test and the configuration was used to represent the worst case results.

### **5. If tested in a car, how was it configured/tested?**

The tested not in a car, Test in 3m Chamber of Solid Industrial (Shenzhen) Co., Ltd. EMC Laboratory. The test performed at the lab located in 333 Bulong Highway Buji Longgang, Shenzhen, Guangdong, China, the FCC Registration: 759397, December 28, 2006. The test method is ANSI C63.4:2003.

### **6. Was the tuning range properly verified? The test lab should indicate in the report that the tuning controls were manually adjusted to verify maximum tuning range.**

This device can be adjusted by 13 preset channel, 88.1, 88.3, 88.5, 88.7, 88.9, 89.1, 106.7, 106.9, 107.1, 107.3, 107.5, 107.7, 107.9MHz, user can not tuning the other than preset channel frequency. The tuning controls were manually adjusted to verify maximum tuning range is low frequency: 88.1MHz, high frequency: 107.9MHz.

### **7. Was the bandwidth properly tested with maximum audio input?**

Yes, test was under the module of audio input, the device audio input source from maximum audio input.

### **8. Provide the test report.**

Please refer the FCC ID: UHIVRFM6 test report.