

# 1 Safety Precautions

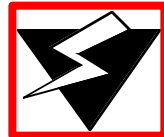
## **PLEASE READ THESE SAFETY PRECAUTIONS!**

### **RF Energy Health Hazard**



The radio equipment described in this guide uses radio frequency transmitters. Although the power level is low, the concentrated energy from a directional antenna may pose a health hazard. Do not allow people to come in close proximity to the front of the antenna while the transmitter is operating. The antenna will be professionally installed on fixed-mounted outdoor permanent structures where the antenna will be 2 meters away from any other antenna and all persons.

### **Protection from Lightning**



Article 810 of the US National Electric Department of Energy Handbook 1996 specifies that radio and television lead-in cables must have adequate surge protection at or near the point of entry to the building. The code specifies that any shielded cable from an external antenna must have the shield directly connected to a 10 AWG wire that connects to the building ground electrode.

### **FCC Notice, USA**

CarrierWave Digital Radios comply with Part 15 of the FCC rules. The radios are specifically designed to be used under Part 15, Section 15.247 of the FCC rules and regulations. Operation is subject to following conditions:

- The device to utilize a fixed mount antenna, for use on a permanent outdoor structure.
- The device to be installed by qualified installation/deployment personnel, and a minimum of 1 meter of separation must exist between the device and persons, when the device is operating.
- The device installers and operators should be aware of the transmitter operating conditions, specified in the installation manual and other associated user documentation, as well as the antenna co-location requirements of Part 1.1307 (b) (3), of FCC rules, pertaining to RF exposure.
- The device may not cause harmful interference.
- The device must accept interference received, including interference that may cause undesired operation.