

## Environmental Information

SilverNet is committed to providing customers with high quality products that are environmentally sound, and to conducting our operations in an environmentally responsible manner. We are committed to comply with local laws and regulations in jurisdictions in which we operate, and plan for the recycle, reuse, or reclamation of its products and our packaging.

This commitment continues to be a driving force at SilverNet, and a principle that is deeply ingrained in our values. As electronic waste continues to grow, SilverNet is responding by reducing or eliminating hazardous materials in our products, helping to protect the health and safety of our employees, our customers, and the environment.

## Standards & Compliance



### CE (European Union)

The CE marking is required for many products and attests the verification by a manufacturer that these products meet EU safety, health or environmental requirements. Therefore ensuring validity for that product to be sold throughout the EEA, the 27 member states of the EU and European Free Trade Association countries - Iceland, Norway, Liechtenstein and Turkey.



### REACH (European Union)

REACH is the European Community Regulation on chemicals and their safe use (EC 1907/2006). It deals with the Registration, Evaluation, Authorisation and Restriction of Chemical substances. The law entered into force on 1 June 2007. It applies directly in all 27 Member States of the European Union and also in Iceland, Liechtenstein and Norway as member countries of the European Economic Area.



### WEEE (European Union)

The Waste Electrical and Electronic Equipment Directive (WEEE Directive) is the European Community directive 2002/96/EC on waste electrical and electronic equipment (WEEE) which, together with the RoHS Directive 2002/95/EC, became European Law in February 2003. The WEEE Directive set collection, recycling and recovery targets for all types of electrical goods.



### RoHS (European Union)

The Restriction of Hazardous Substances Directive or RoHS Directive 2002/95/EC was adopted in February 2003 by the European Union. The RoHS directive aims to restrict certain dangerous substances commonly used in electronic and electronic equipment. The RoHS Directive set restrictions upon European manufacturers as to the material content of new electronic equipment placed on the market.

## SilverNet Benchmarks



### **Port Auto Power Down**

The radio can detect whether a device is connected to it or not. If no device is connected to the port, the radio will automatically power down the port.



### **Channel spectrum width**

The channel spectrum width can be set to 5, 10, 20 or 40Mhz depending on requirements. The lower the channel width the less processing power required by the radio. Power consumption could be greatly reduced when using a lower channel spectrum width.



### **Data Rate management**

Data rate settings allow users to control the data rate of the radios to optimize throughput. This could greatly reduce power consumption.



### **Wireless Transmit Power Management**

Power settings provide the flexibility to control the wireless Transmit power of the radios to optimize the wireless range. Power consumption could be reduced to up to 75% from its peak power consumption for short-range links, while increased to maximum power for a longer-range links.



### **Bandwidth Control**

Bandwidth control settings allow you to set the upload and download limit of the radio. The lower the limits the less processing power required by the radio. This could greatly reduce power consumption.



### **Cable Length Detection**

The radios can detect the length of the cables attached to the port. The shorter the cable, the less power required to transmit.