User's Guide

Alien Technology Corporation

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FCC Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is con-nected.
• Consult the dealer or an experienced radio/TV technician for help.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

IMPORTANT NOTE:
FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Using 900MHz RFID Tag Reader

Enable to equip a UHF 900Mhz Tag Reader. Enable to read and write RFID Tag which supported protocol of EPC GEN2. The Frequency range is 850MHz ~ 960MHz, and could adjustable.
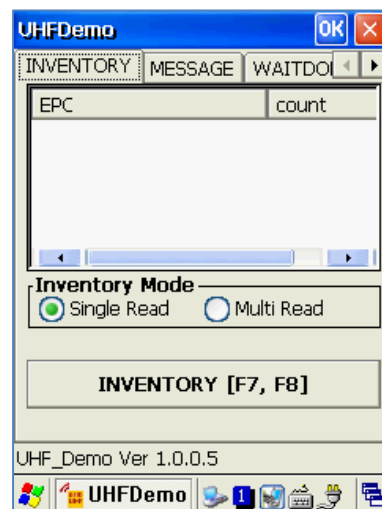

UHF Reader

3.1 Executing RF900Demo Program

[Start button] -> [Program] -> [DEMO Apps] -> [RF900Demo]

Run RF900Demo Program

INVENTORY Mode:
Single Read: Read one Tag each time.
Multi Read: Read multi Tag each time (Anti Collision).
INVENTORY: Press <Inventory> button, to read tags.

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Chapter5. Appendix
Configuration

UHF 900MHz Tag Reader	
Frequency	865.7MHz ~ 867.5MHz for Europe
	902.75 ~ 927.25MHz for USA
Reading Range	0m ~ 7m (Differs from each tag)
Writing Range	0m ~ 3m
Antenna Gain	2 dbi (Standard)
Speed	62.5 kbps
RF Output	1W EIRP
Protocol	EPC Gen2 ISO 18000 6C ISO 18000 6B
Multi-Reading	Anti collision

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