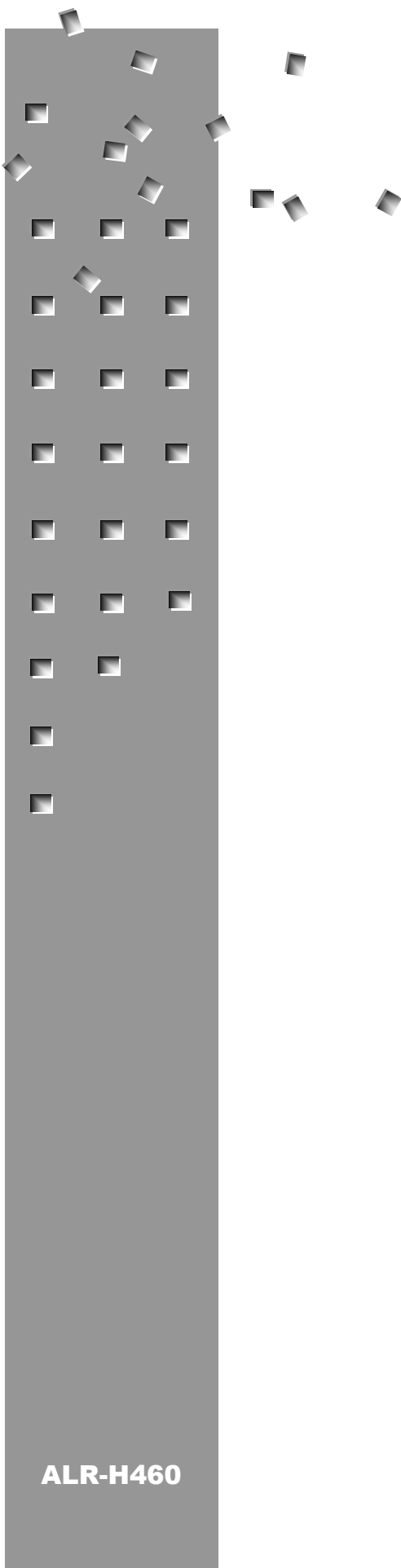




ALIEN TECHNOLOGY®

ALR-H460

User Guide

August 2019

ALR-H460



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FCC Compliance

The ALR-H460 contains the ALR-M702-FCC (FCC ID: P65ALRM702)

This equipment has been tested and found to comply with the limits for Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with instruction manual, may cause harmful interference with radio communications. There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment to a different outlet than that to which the receiver is connected
- Consult the dealer or an experienced radio communications technician

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.

Any change or modification to this product voids the user's authority to operate per FCC Part 15 Subpart A. Section 15.21 regulations.

Caution

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government for extremities. The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR performance is 2.23 W/kg simultaneous transmission and the maximum single transmitter SAR is 1.21 W/kg. See FCC OET Bulletin 56 "Hazards of radio frequency and electromagnetic fields" and Bulletin 65 "Human exposure to radio frequency electromagnetic fields." This device was tested for typical extremity operations. Use only the supplied antenna.

Alien Technology®

User Guide

ALR-H460 RFID Reader Subsystem



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1 Introduction

This manual provides you with safety information, technical support information, and sources for additional product information for the ALR-H460 RFID Reader Subsystem.

1.1 Audience

We assume that the readers of this guide have some previous knowledge of RFID, and other relevant technologies.

1.2 Overview

The ALR-H460 RFID Reader Subsystem Comprises the ALR-M702-FCC (FCC ID: P65ALRM702), the BRA-40U antenna and the interface PCB. It is designed for use with specific handheld data terminals.

1.3 Device Specification

ALR-M702-FCC Characteristics	
Dimensions	67x87x77 mm
Weight	115 grams typical
Antenna	BRA-40U
Power and Control	9 Pin Connector
Operating Temp.	-20°C to +55°C
Storage Temp.	-25°C to +70°C
Humidity	5%RH-95%RH (non-condensing)
RFID (UHF)	UHF 902-928MHz, EPC Class1 Gen2 / ISO18000-6C

2 Verifying the ALR-H460

Alien Technology provides custom demonstration tool for testing the ALR-H460 in conjunction with a handheld data terminal.

3 Engineering Test Mode

Alien Technology provides custom engineering tool to control the ALR-H460 frequency and power in conjunction with a handheld data terminal for engineering testing and evaluation.

4 Technical Support

Alien Technology, LLC
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San Jose, CA. 95138
Tel: 1.408.782.3900

5 Revision History

ECO #	Revision	Date:	Originator:	Description of Change:
TBD	A	8/8/19	J. Hattick	Initial release