ARAD LR Platform User Guide

Contents

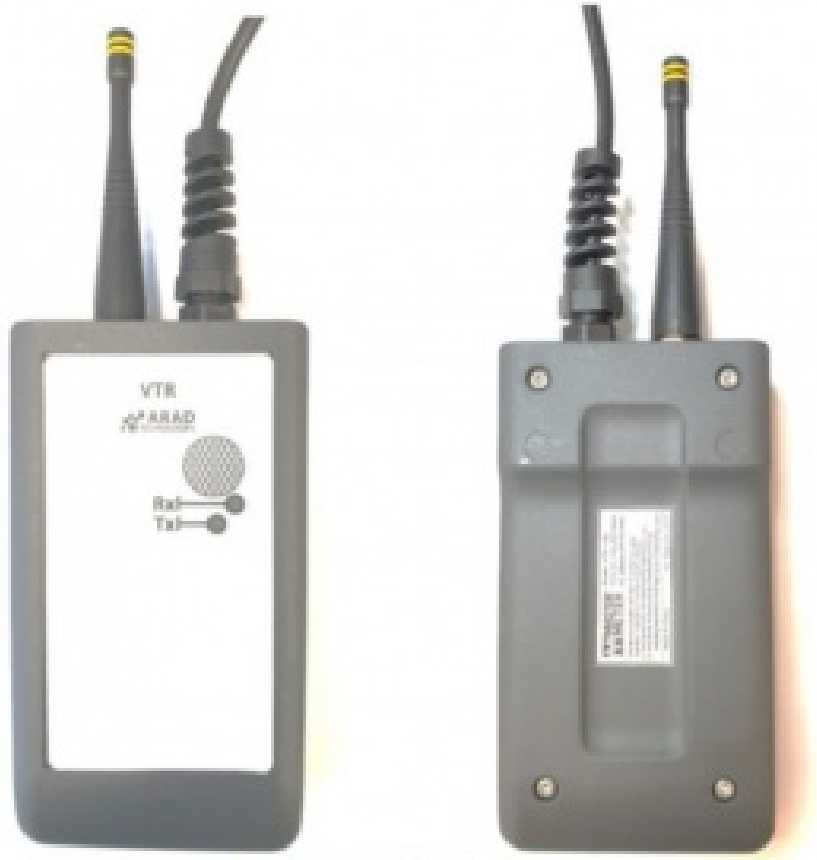

Figure 1 – LR Platform VTR

Federal Communication Commission (FCC) Compliance Notice

CAUTION

This device complies with part 15 of the FCC Rules. The User should be aware that changes and modifications to the equipment not expressly approved by Master Meter could void warranty and the user's authority to operate the equipment. Professionally trained personnel should use the equipment.

ATTENTION

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 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 or more 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 connected.
— Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of 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.

Industry Canada (IC) Compliance Notice

This device complies with FCC Rules Part 15 and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent Isotropically radiated power (EIRP) is not more than that necessary for successful communication.
– This Class B digital apparatus complies with Canadian ICES-003. – Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.

Radiation Exposure Statement:

This equipment complies with FCC and IC RF radiation exposure limits set forth for an uncontrolled environment.

Introduction

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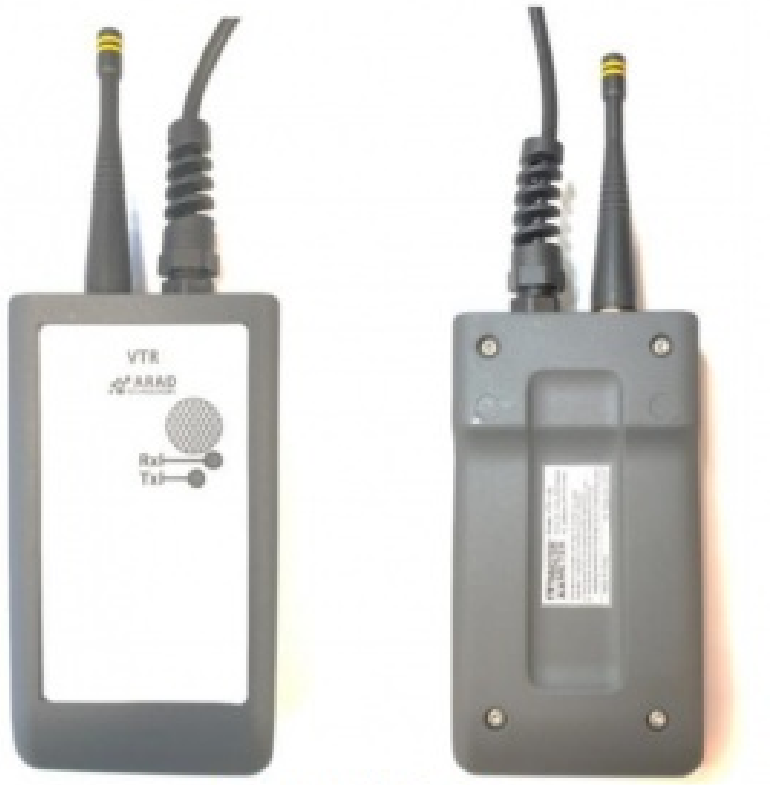

Figure 1 – LR Platform VTR

LED indicators

Tx Mode IND red LED is lit when transmitting data.
Rx Mode IND green LED is lit when receiving mode is enable.

Technical Data

Electrical Characteristics:

Parameter	Value
Input Voltage	5.0V (Via USB)
Control interface	TTL – USB

Radio Characteristics:

Transmitter	
Parameter	**Value**
Transmit Frequency	916.3 MHz
Modulation	LoRa
Bit rate	21.9 kbps
Peak Output power	20 dBm
Sensitivity	-120 dBm

Environmental Characteristics:

Parameter	**Value**
Operating Temperature	-10°C – 70°C
Storage Temperature	-20°C – 70°C
Protection class	IP54

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