

ECARPLUG Co.,Ltd.

# **User Manual**

**ECRF232C**

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## **Contents**

- 1. Overview**
- 2. Composition**
- 3. Use**
- 4. Specification**

## **1. Overview**

This device is a reader device that reads HF RF Card and transmits/receives data by connecting to the Host Interface through RS-232C.

Through this document, we define the specifications of the terminal that performs the above role.

## **2. Composition**

- Host Interface
- Send and receive data by connecting to the RS-232C port.
- Status display function
- Display the current status using LED

## **3. Use**

- ID is identified and used in devices that require user recognition (e.g., electric vehicle charger)

## 4. Specification

- MCU
  - STM32F042F6P6
  - ARM® 32-bit Cortex®-M0 CPU
  - Internal 2 USART
- User Interface
  - Status LED x 1
- Debug & Download Port
  - USART 1 Port [5 Pin]
  - F/W Download GPIO Port [5 Pin]
- Power
  - External 5 VDC
  - Internal 3.3V LDO

Specification	
Frequency	13.56MHz
Temperature	-20°C ~ 50°C
Power	DC 5V

Certification and Safety Approvals FCC Compliance Statement

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.

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

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 on and off, the user is encouraged to try to correct the interference by one or more of the following measures:  
-Reorient or relocate the receiving antennae -Increase the separation between the equipment and the 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.

**FCC RF Exposure Statement** This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. The antenna used for this transmitter must not transmit simultaneously with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures

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