

U1000F UHF Integrated Machine

User Guide

Version: 1.0 Date: 2020.03.26

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FCC ID: 2AKARU1000F

NOTE: 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 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

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

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.

RF exposure warning :

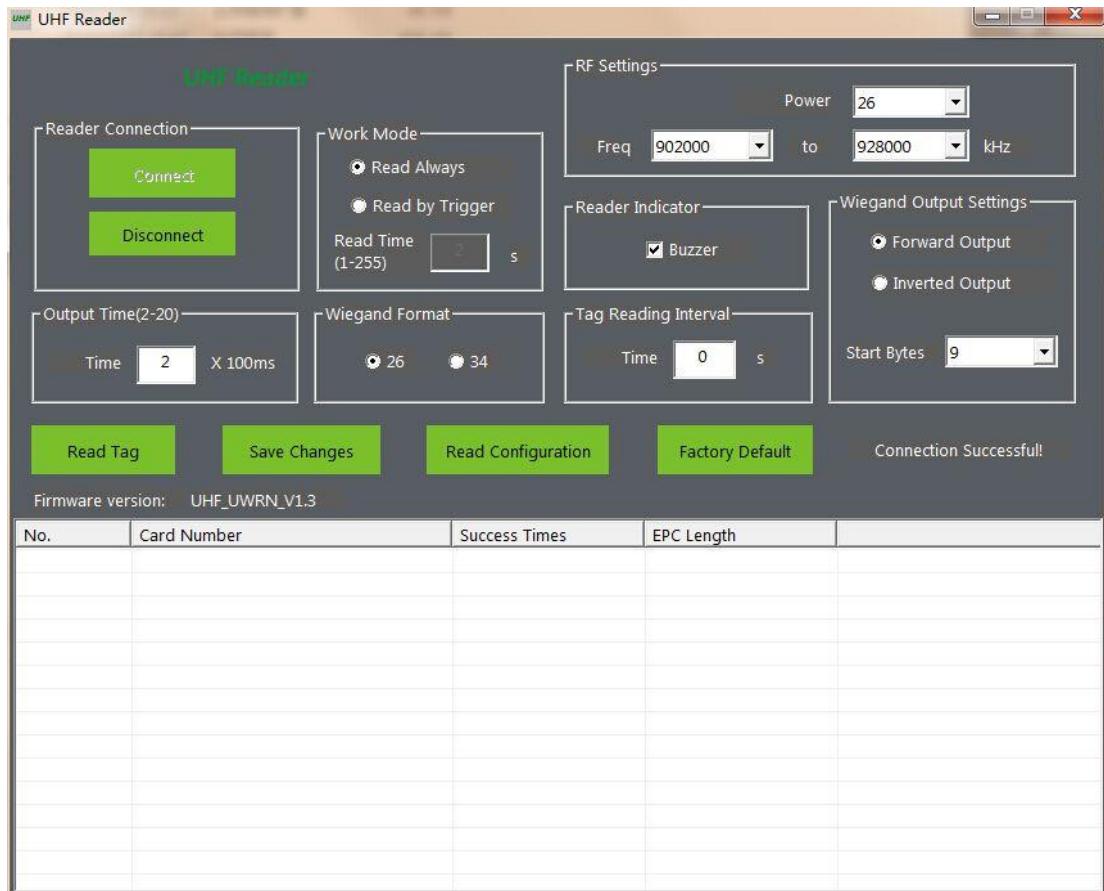
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.

1 Overview

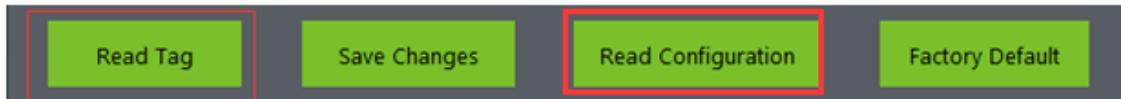
This article mainly introduces the operation method of setting U1000F UHF Integrated Machine DEMO software through USB connection.

2 Read Configuration Parameters

1. Open UHF Reader Demo, click Connect.



2. Click **Read Configuration** to view the U1000F UHF Integrated Machine configuration parameter information.



3. Refer to the screenshot below for the Demo software interface:

1) The default configuration for the Reader is as follows:

Work Mode: Read Always

Wiegand Format: Wiegand 26

Power: 26dBm

Working Frequency: 902MHz — 928MHz (US)

2) Demo Instructions

- Connect the USB port of the USB adapter to the computer and the other end to the Reader.

- The power adapter is recommended to use DC12V / 3A specification. After the reading head is energized, the buzzer will ring.
- Open Demo, click **Connect**. Display **Connection Successful**. Indicates that the machine has successfully connected with the Demo.
- **Output Time**: Sets the time interval between adjacent wigan data.
- **Reader Indicator**: Set whether the buzzer will ring when the machine is powered on and the card is brushed.
- **Work Mode**: Set the working mode of the machine, including frequent reading mode, trigger mode, and trigger mode to set the trigger once and how long to read.
- **RF Settings**: Set the RF parameters of the machine, including power, spectrum, and power range of 18-26dbm.
- **Wiegand Format**: Set the output format of the machine wiegand.
- **Tag Reading Interval**: Set the machine read card interval. The card reading interval is the time when the card is read within the card swiping range and the second time when the card is read outside the card swiping range.

3 Reader Installation

Refer to the schematic diagram when installing the Reader, install the Reader on the bracket and adjust the Angle according to the actual card swiping effect.

Notice:

- Please keep away from strong magnetic field when reading head works.
- Adjacent readers should not be installed face to face or back. Adjacent readers should be in the RF area of another reader.

