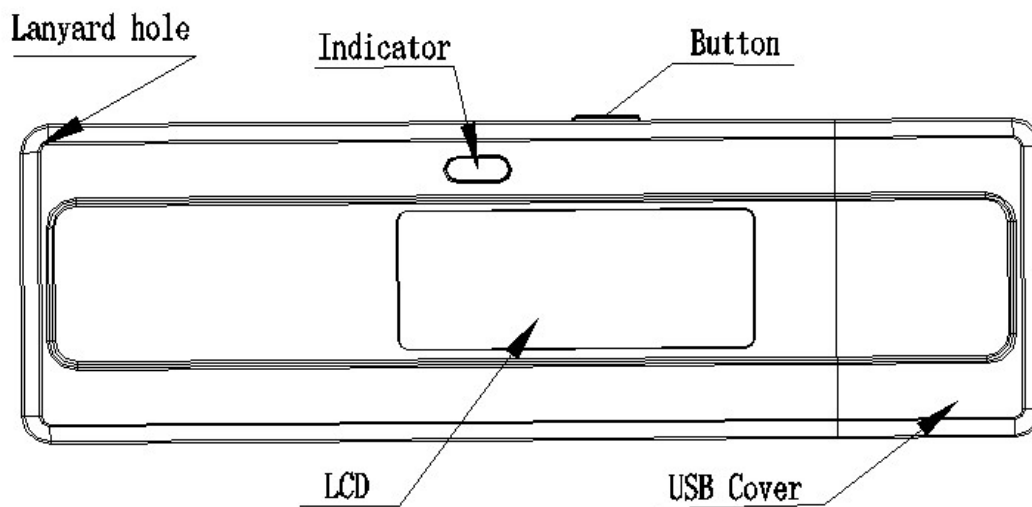


# MR1052 Animal Tag Reader User Manual

## 1 Product Overview

This product is mainly used for animal tag ID reader. It can read any work based on ISO11784 / 5 protocol animals TAGs. Product appearance, shape see picture 1.



Picture 1: MR1052 appearance, shape

## 2 Technical parameters

Table 1:

Frequency	134.2KHz
Battery	Li-ion, 3.7VDC, 120mAH
Work Current	< 60mA
IDL Current	< 20mA
Power-down Current	< 10uA
Charging current	< 200mA, @5VDC
Charging indication	Red LED in charging. Green LED when complete.
Read Range	≥ 60mm
Read indication	Beep、 Blue LED、 LCD indication
LCD size	1.04", 128×32pix
Dimensions	109×34×14mm

## 3 Operation

### 3.1 Power On

Push the "Button", the Key Reader power on. LCD display "Welcome! Pocket Reader".

### 3.2 Power Off

The Key Reader will auto power off in the absence of any action. But, except that the Key Reader is connecting to PC by a cable line.

### 3.3 Set language

When The Key Reader is power down, push the "Button" 3 ~ 5 seconds, enter to setting language mode, and the language will scroll on the LCD. Each language will remain 2 seconds on the screen. When the language you want to setting, just push the "Button" key, then Key Reader will use the setting when next power on.

### 3.4 Charge

Directly connected to the PC by USB cable, the Key Reader will charging automatically.

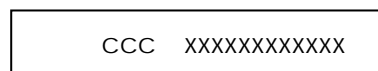
Red LED light when in charging, Green LED light when charge complete.

When Li-ion is low power, the Key Reader may not read any tags, or can read tag in a very short distance, screen light weekly.

### 3.5 Identification

Push "Button" key, scan tag in 20 seconds.

When identify a tag, LCD display as follow:



Picture 1

*ccc --- country code, xxxxxxxxxxx --- UID.*

Or display as picture 2 if scan no tag:



Picture 2

**Note:** In the process of identifying, the LCD is off, and the blue LED is blinking until the reader identification to a tag.

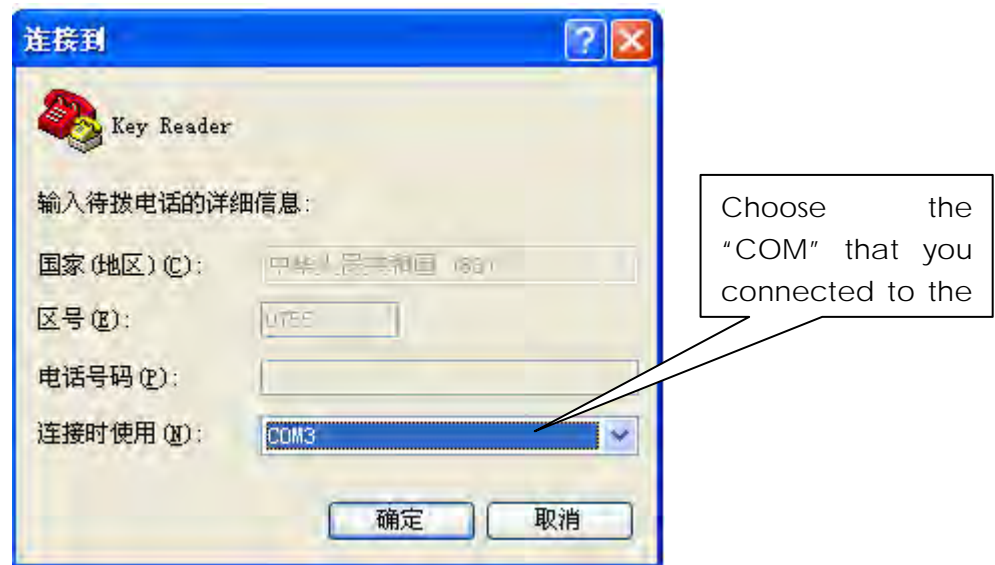
### 3.6 See ID by hyperterminal

Directly connected to the PC by USB cable.

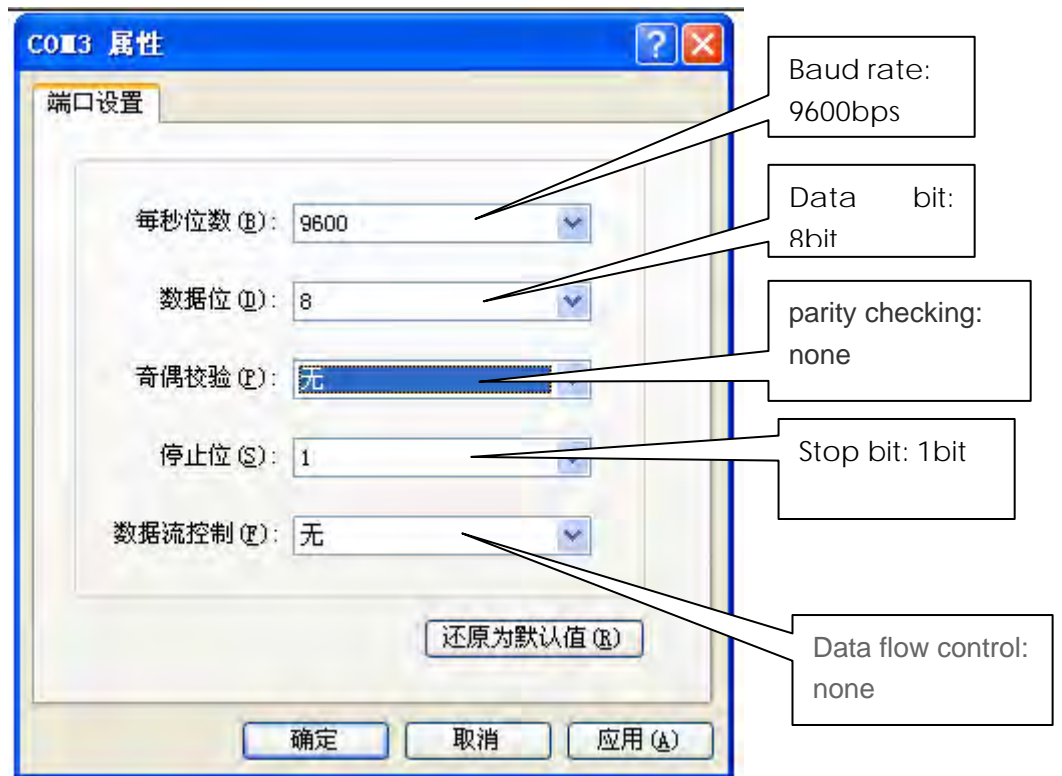
Open hyperterminal, use the setting as follow:



Picture 3



Picture 4



Picture 5

Push "Button" key, and read a tag, see the data from hyperterminal



Picture 6

## **FCC STATEMENT**

1. 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.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.