



Beijing Landwell Electron Technology Co, Ltd  
L-3000EF Proximity Guard Tour System Manual  
This product has passed ROHS certification

## Important Announcement

- 1, Thanks for purchasing Landwell L-3000EF proximity guard tour system. Please read the manual carefully before use. When you begin to use L-3000EF guard tour reader, Landwell believes that you have read this manual carefully.
- 2, As the related contents of the manual may change without prior notice, the products shall prevail. For more information please check the company website ([www.guard361.com/](http://www.guard361.com/)) or call us +86-01-84717640.
- 3, As this is a mobile patrol product, we strongly recommend that you create data backup when using. Data loss caused from hardware damage is excluded from the warranty, which is only effective for hardware itself.

## FCC 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 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.

## The First Chapter

This system is made up of patrol reader/communication line /Checkpoint/software. The accessories include the computer and printer. Specific steps are as follows.



## 1. System Directions:

- 1.1) Patrol reader, also called collector, is carried by patrol man during patrol rounds. Each checkpoint, collection time and patrol man name etc will be collected as one piece of data, which is saved after analysis. Then data will be uploaded to computer through communication line.
- 1.2) Transmitting line: also called communication line, it arranges the data within the collector and transmits them to the computer.
- 1.3 ) Information tag (checkpoint) ——The information tag is divided into checkpoint tag and personnel tag. One information tag can only be setup as checkpoint tag or personnel tag. It cannot be setup as a personnel tag after it is already a checkpoint tag.
- 1.3a checkpoint tag: according to patrol plan, a

checkpoint tag stands for a patrol point, which is placed at the patrol site or equipment. Through software the information tag can be setup as different checkpoint name which it relates to.

**1.3)b** personnel tag: this is the patrol man's ID tag. Some tasks are carried out according to group of patrol man. Every group shares one reader. Every patrol man carries his own personnel tag so a reasonable patrol performance check is attainable.

**1.4)** Software management system —— it analyzes the related data uploaded and after data processing, it offers detailed patrol report. The software will match the patrol report with plan, and correctly process the patrol result data.

## 2. Hardware Directions

**2.1)** Patrol reader: when patrol man reaches the planned site, he presents the reader head to the checkpoint tag within 5cm distance (the tag frequency decides the distance).When the reader sends out "beep" sound and the LED lights 3 times(the same tag cannot be reread continuously with the same reader. One minute is the minimum interval before reread. The LED will light once when reread without proper time interval ),it means the data is collected to the reader successfully.

**2.2)** Communication line: connect communication line USB head to the computer USB port, the other side to the reader corresponding port.

**2.3)** Information tag: first stir super glue(like AB glue)

evenly at the rate of 1: 1,spread it on the back of the patrol tag. Paste the patrol tag to the patrol point(like the surface of cement ,hard brick wall or other strong object. Choose flat surface before pasting the tag. If the surface is coarse, use sand paper to polish it.)

## 3. Software Setup and Usage

Please read the software manual carefully before software installation. Familiarize with the software step by step. The software administer's access is Admin, the default pin is 333.

**3.1)** Information tag setup: operate according to software requirement and the client demands :patrol record upload ——first clear the old data in the reader through communication line.(by transmitting the data to computer after connecting reader with computer ,the reader's stored data is cleared. The data can be retransmitted to software if the reader does not read new tag. If new tag is read, the new data will cover all the old data and it becomes the first new data record).Then use this reader to read all the checkpoint tags in order. Now upload these data to the related checkpoint setup or personnel setup.

Specific operation method is as follows

a Plan setup: According to the client's situation, setup the patrol route points, where the patrol tags will be fixed.

b Tag reading: after checkpoint tag is installed, use the reader without data to read all the tags once, then upload the data to the checkpoint setup from software.

Edit the checkpoint name following the reading order. Another way is before checkpoint tag installation, use reader to collect all the tags' ID number. It is better to write down the ID number by its last 5 to 6 digits together with the point name it stands for. This is to link the tag ID number in the software with the checkpoint tag.

## System Installation and Usage Considerations

**1)** Let the reader's LED face you. Hold the reader like a pen with hand and arm at a 90 degree angle.

**2)** Place the patrol reader with the checkpoint tag surface at a 45 degree angle. When the reader's LED lights 3 times and the beeper sounds, data collection is done. (If it is noisy on site, you can reread the tag to make sure data is collected. If the LED lights once, it shows the first time reading is successful.)

**3)** Please transmit correct tag ID number for checkpoint and personnel setup, and input correct name for each checkpoint and personnel. Each tag number and related checkpoint or personnel is unique. One information tag can only be setup as a checkpoint or personnel tag, it cannot be both at the same time.

**4)** If the data collected are less than 10,000 pieces after patrol, all the data can be uploaded through the communication line. The data will automatically be cleared during transmittance. The reader can transmit the data again if it does not read new data. This function avoids data loss if problem occurs.

**5)** Do not read data more than the reader's capacity

(10,000 pieces of data) when collecting data. When you read the 10,000th data, the reader will not work. You should upload all the data

**6)** Please change battery if the reader's beeper sound lowers or the LED lights for long time.

**7)** Please select serial port code after the reader connects with computer properly.

**8)** If the communication line is not properly connected (for data reading), the software will show different prompts (check software manual for more information).

**9)** Checkpoint tag installation site should be free from electromagnetic interference and strong static (for example, checkpoint tag should not be installed on aluminum composite panel, metal object, or in the place where there is carpet on floor).

**10)** Please do not change the battery at random to avoid problem. Contact us for battery change. Standard unique battery (1 set of 3.6V lithium battery) must be used. Once you violate the provisions, you should bear all the consequences.

## **Contact us**

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## **Directions**

**1)** Landwell does not make any other express or implied warranties, including the product marketability and its applicability in some special field except the warranties expressed in this service commitment.

**2)** Landwell or its authorized service agency has the ownership and right of disposal for the faulty part after it is replaced with good one in repair.

**3)** Landwell has the final power of interpretation of the above contents.