

# F20 User Manual

## 【F20】RFID Patrol Data Carrier

- 一、Please open the cover of battery compartment and install two brand new AAA battery。
- 二、Press the start button, Carrier will show the present status. When you use this carrier first time, please connecting the PC to reset all data in the carrier.
- 三、Press the start button and release it. Carrier will show the present status. It will shut down automatically after five seconds。
- 四、Press and hold the start button. Carrier will start reading (after ten seconds, carrier will stop reading. Release and press the start button again for re-reading)。There are some different reading ranges of each transponder. Please hold the carrier to approach transponder from ten centimeters. The reader will not work three centimeters, so the best reading range of card is five centimeters, four centimeters of glass and three centimeters of wedge。
- 五、You will hear a beep after carrier read the data. The carrier screen will show the event enter screen and wait five seconds for event no. be inputted. You can re-read transponder by press start button again。
- 六、In “event-enter” screen: If you press 0~9 button, the break time will extend ten second and the event-enter screen 【 】 will flash. The event-enter number has two codes 00~99. If you input wrong number, please re-input again. After input, you have to press [#] for saving. If you do not press [#], data of carrier will not renew. The {\*} button is the switch of main screen and the event-enter screen. If you can not input event on time, you should press {\*} button in order to revise event. In “event-enter” screen: If you press [#] or {\*} button, the break time will automatically change to three seconds.
- 七、Until there are about 7901 to 8000 data in carrier, you will hear two beeps from carrier. This sound can warn you to save all data in PC. The maximum capacity of memory is 8000 data.
- 八、when battery is in low-powered, you will hear two beeps after pressing the start button. Please replace battery as soon as possible. After replace battery, you must press and hold the start button for three seconds in order to set the power status.  
PS. Power status is for reference only. This carrier can read the transponder in low-powered

situation, but it can't function very well. Please replace battery as soon as possible.  
This carrier can read more than 8000 times by using two AAA batteries.

- 九、Connecting PC : Using inclosing cable to plug in serial port of PC and using another end of cable to plug in carrier and then start the carrier operation program. Baud rate is 115200. After linking to PC, it will show "PC LINKING" on screen. You can't operate carrier in link status. Carrier will shut down if it can't get any feedback for PC within 15 seconds.

#### 【F20】Recording DATA

- 一、Press and release the start button, carrier will show the present time.
- 二、Press 【\*】 twice, carrier will enter recording data model.
- 三、First line on screen is current data number and remnant memory  
Second line is location of cursor and managing status  
Third and forth line is input data. While inputting data, cursor will flash. After saving data, cursor will disappear.

IN Input Model, cursor will flash. After saving data, cursor will disappear.

NO: 0001 / 128K

State: 32                   -> State:.,\$+-\*/\_%&   -> State: Save.  -> State: FULL.

123456789012345#

67890123456789.1

- 四、Data can input any 0~9 numeric characters, alphabet characters 【.,\$+-\*/\_%&】. Use 【#】 to distinguish data characters. For example:  
Data before 【#】 stands for number of meter. Date after 【#】 stands is value of meter.  
Maximum in one data record has 32 words.

12345678901234567890123456789012                   -----> 32 words

Example: 123-45032-000#035,855,655.7

000-05431-5437#541358793413.44

15421245245243524#\$123456789.0

There is one 【#】 in one data record only. Second time to press 【#】 stands for saving data.

How to input alphabet characters 【.,\$+-\*/\_%&】: Press 【Start】 button, managing status will show   State:.,\$+-\*/\_%&. Then press any number of 1234567890 to input relative alphabet characters. For example: 1->. 2->., .... 0->&

When you input wrong number or word, you can press【\*】to correct it. If you press and hold

【 \* 】 about 1.5 seconds, this data will be erased.

If data block is empty, you press 【 \* 】 stand for exiting this "recording data" model.

Press any key after saving previous data for input next data.

PS In "recording data" model, carrier will show down within twenty seconds, if you do not press any button. In case of carrier shut down, carrier lose the unsaved data. In addition, carrier will shut down after you press 【 # 】 to save data.

五 · Each data must contain one word and maximum 32 words. Carrier can record at lease 2000 data including time record, but the capacity of maximum data is 9999 data.

Note : Please replace battery in low-powered situation in order to avoid losing all data.

## **FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT**

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.

### **CAUTION:**

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.