



晶發科技有限公司
GI FAR TECHNOLOGY CO.,LTD

No. 11, Lane 249, Sec. 2, Chung Shan Rd., Shulin City, Taipei Hsien, Taiwan, R.O.C.

GFW160213-BNFAJP

SPECIFICATIONS

CUSTOMER : _____

SAMPLE CODE : GFW160213-BNFAJP

DRAWIG NO. : _____

DATE : 2008.08.04

| Customer Sign | Sales Sign | Approved By | Prepared By |
|---------------|------------|-------------|-------------|
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Revision Record

| Data(y/m/d) | Ver. | Description | Note | page |
|-------------|------|-------------|------|------|
| 2008.08.04 | 00 | New | | 11 |
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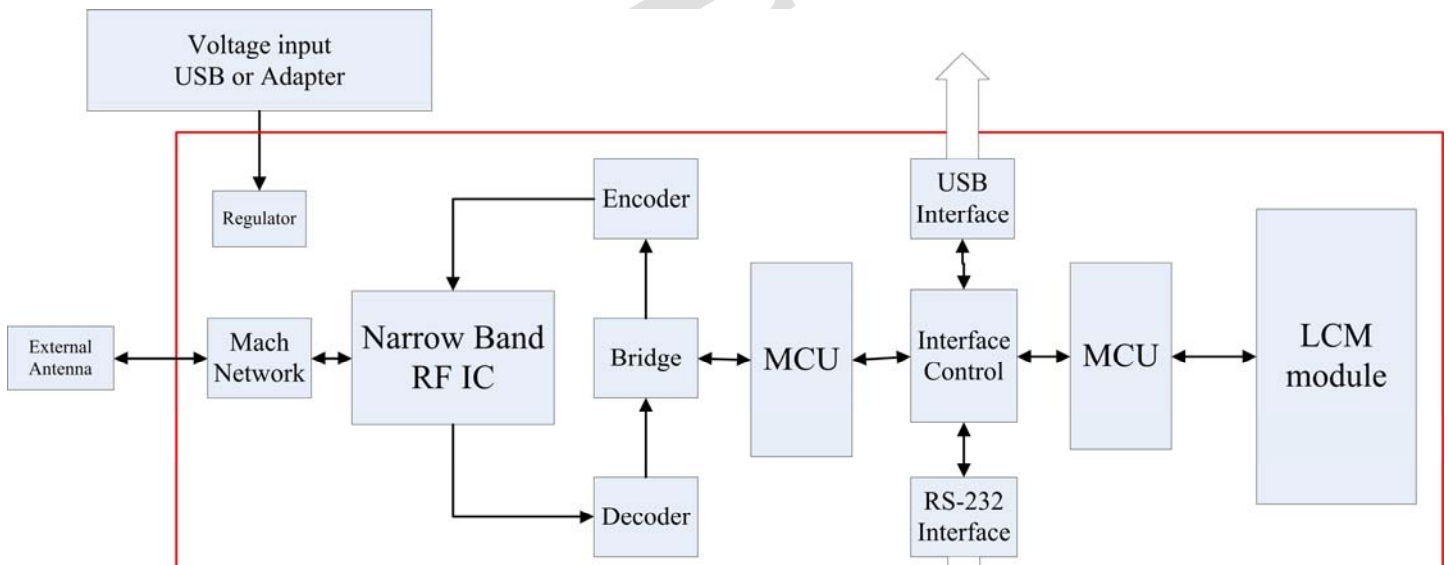
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GFW160213-BNFAJP

■Model:

| | |
|----------------------|-------------------------|
| Item Name | WIRELESS LCM |
| Model No. | GFW160213-BNFAJP |
| Specification | 902~925MHz |



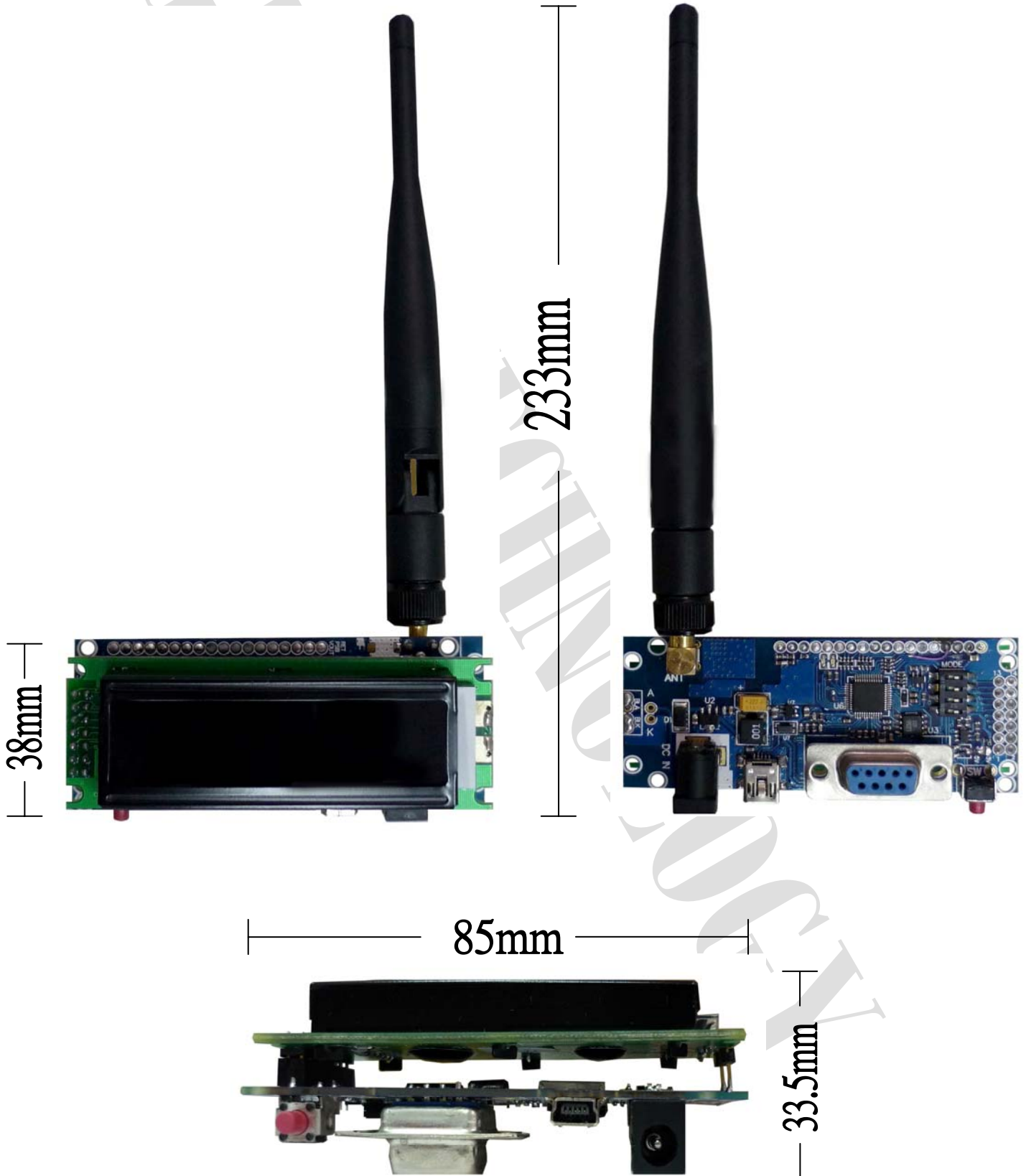


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■Photo:





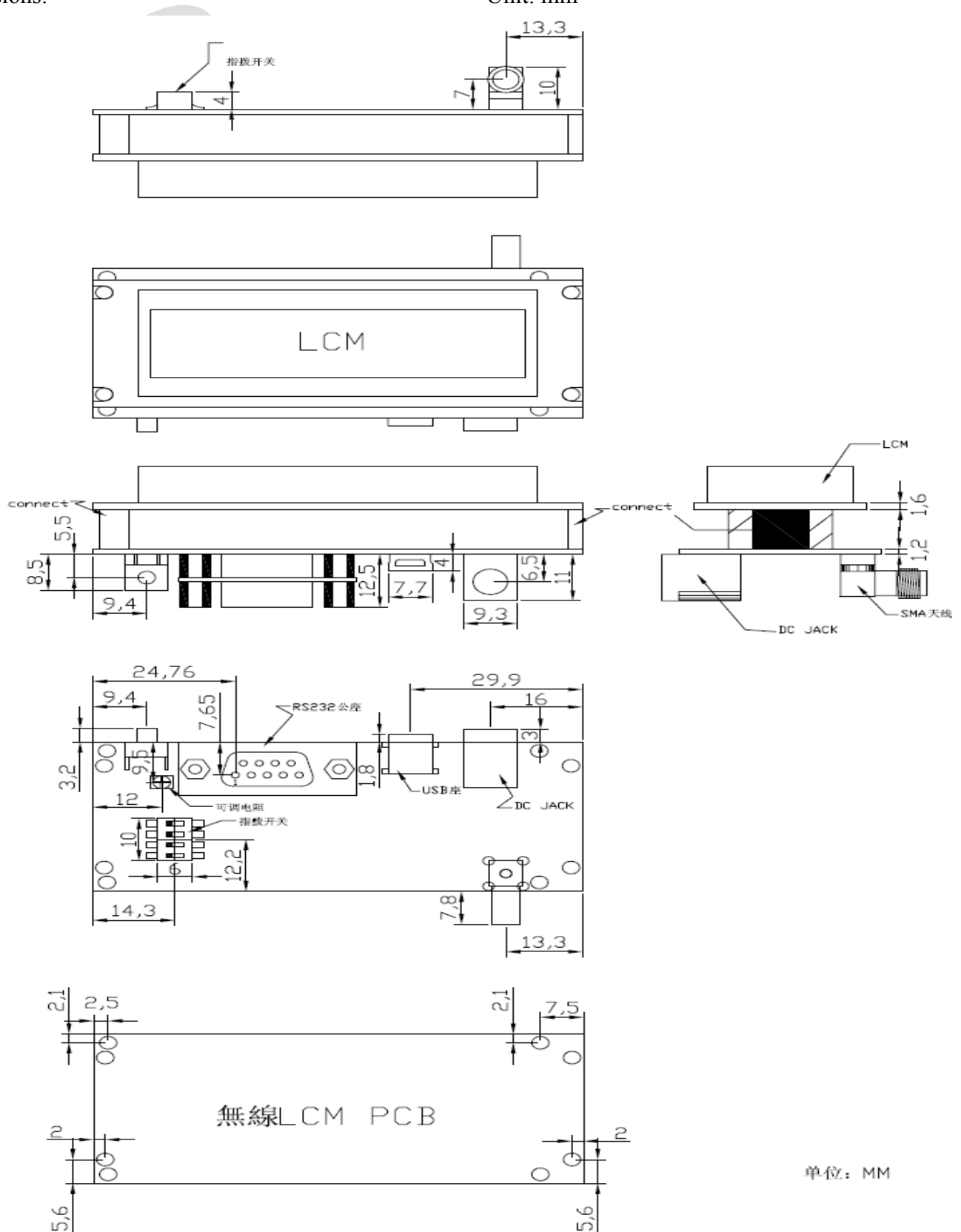
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■Dimensions:

Unit: mm





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Electrical Characteristic:

1. **Frequency 902 ~ 925MHz(FCC) 863 ~ 865MHz(CE)**
2. **Output power 10dBm**
3. **Sensitivities of Receiving -112dBm(9.6K BPS)**
4. **Baud Rate : 9.6Kbps ~ 500Kbps**
5. **Transfer Mode**
6. **Temperature range of storage -10°C ~ +60°C**
7. **Temperature range of operation -0°C ~ +50°C**
8. **Operation Voltage : USB Poer = 5V 、Outre DC Adapter = 9V**

Function:

GFW160213-BNFAJP module is adjustable to be the operation mode based on the environment and place, you can through the GFW160213-BNFAJP switch to adjust the operation mode :

Wire transmission , wireless sender , wireless receiver.

Adaptable Channel

- 3rd LCD panel wireless transmission for Cash Register
- Wireless Transmission for Supermarket Price Tag
- Usage for PC command

For the moment, there are 3 control mode which could be selected the operation mode through the switch.
(please refer the explanation about switch)

1. Wireless Server mode (Sender)

In this mode, the user can connect to LCM with USB, and transfer the datasheet to LCM (Sender) through USB; also, user can transfer datasheet through wireless function to receiver module, and display on the displayer of receiver.

2. Wireless server Mode (Receiver) :

In this mode, User only need to supplier 5V of power for the exterior, or the system even could be operated through the power supplied from the interior; can receive the datasheet from LCM (the sender), and change the content information showed on the displayer.



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Explanation of Switch :

| MODE | Switch 4 | Switch 3 | Switch 2 | Switch 1 | Function & command |
|------|----------|----------|----------|----------|---|
| 1 | 0 | 0 | 0 | 0 | Wireless Slave The digit wireless receiver , display : MODE1DXXXX (LCM ID NO.) |
| 2 | 0 | 0 | 0 | 1 | Wireless Slave The digit wireless receiver , display : MODE1DXXXX (LCM ID NO.) |
| 3 | 0 | 0 | 1 | 0 | Wireless Slave The digit wireless receiver , display : MODE1DXXXX (LCM ID NO.) |
| 4 | 0 | 0 | 1 | 1 | Wireless Slave The digit wireless receiver , display : MODE1DXXXX (LCM ID NO.) |
| 5 | 0 | 1 | 0 | 0 | Wireless Slave The digit wireless receiver , display : MODE1DXXXX (LCM ID NO.) |
| 6 | 0 | 1 | 0 | 1 | Wireless Slave The digit wireless receiver , display : MODE1DXXXX (LCM ID NO.) |
| 7 | 0 | 1 | 1 | 0 | PC : USB AND RS232 Wire display 1 |
| 8 | 0 | 1 | 1 | 1 | PC : USB AND RS232 Wire display 2 |
| 9 | 1 | 0 | 0 | 0 | PC : USB AND RS232 Wire display 3 |
| 10 | 1 | 0 | 0 | 1 | PC : USB AND RS232 Wire display 4 |
| 11 | 1 | 0 | 1 | 0 | PC : USB AND RS232 Wire display 5 |
| 12 | 1 | 0 | 1 | 1 | PC : USB AND RS232 Wire display 6 |
| 13 | 1 | 1 | 0 | 0 | back-up |
| 14 | 1 | 1 | 0 | 1 | back-up |
| 15 | 1 | 1 | 1 | 0 | back-up |
| 16 | 1 | 1 | 1 | 1 | USB of PC port and RS-232 wireless sender displayer : MODE1 IDXXXX (LCM ID No.1) |



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➤ The first step to electrify ::

Firstly, User need to select the module, then connect the controller based on user's model and select the mode needed. When the user choose the mode to be controlled by PC, when the user insert LCM into it, the displayer will show " TEST USB PASS".

If the user choose the mode to be controlled by wireless sender , when user insert USB to drive it, the displayer will show " RF PASS".

➤ The Wireless Receiver LCM type & ID setting mode

The user need to select the GFW160213-BNFAJP module to be the mode executed, and then, user insert the USB connect wire of GFW160213-BNFAJP into the USB port of PC, and through PC, user execute " RS-232 test soft system "

User push the " GFW160213-BNFAJP "Module setting selection button, the status pilot light will be flashed alternately, when the wireless receiver receive the datasheet from PC, it will register immediately the datasheet into module ID and display the LCM module category. When the above command finish, the displayer will show up MODE1ID0001, which means " set up completed "

If user need to display difference LCM at the same time due to the environment, the user need only to repeat the action 1~2, just to change the ID number.

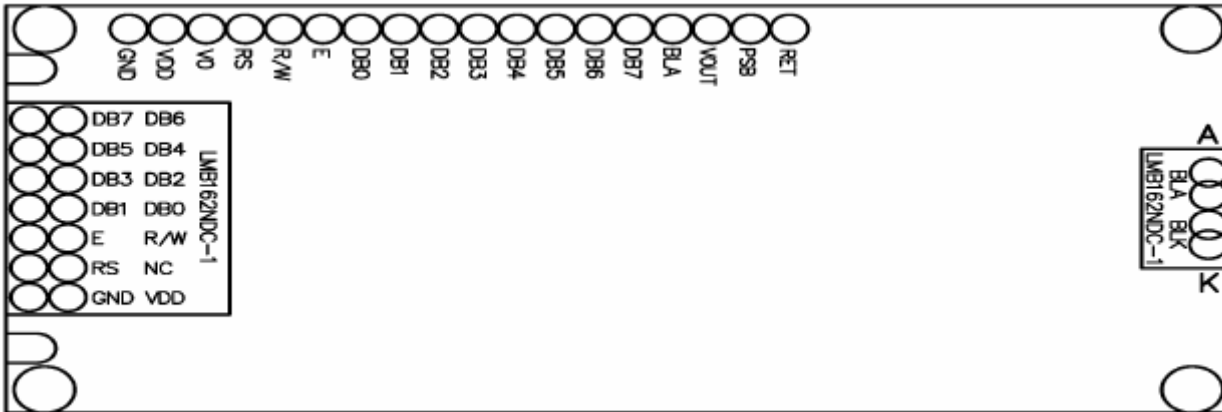
For example, if user need the ID no. to be ID No.2, then only need change the command to be MODE1ID0002, Max. Q'ty of ID is 9999.



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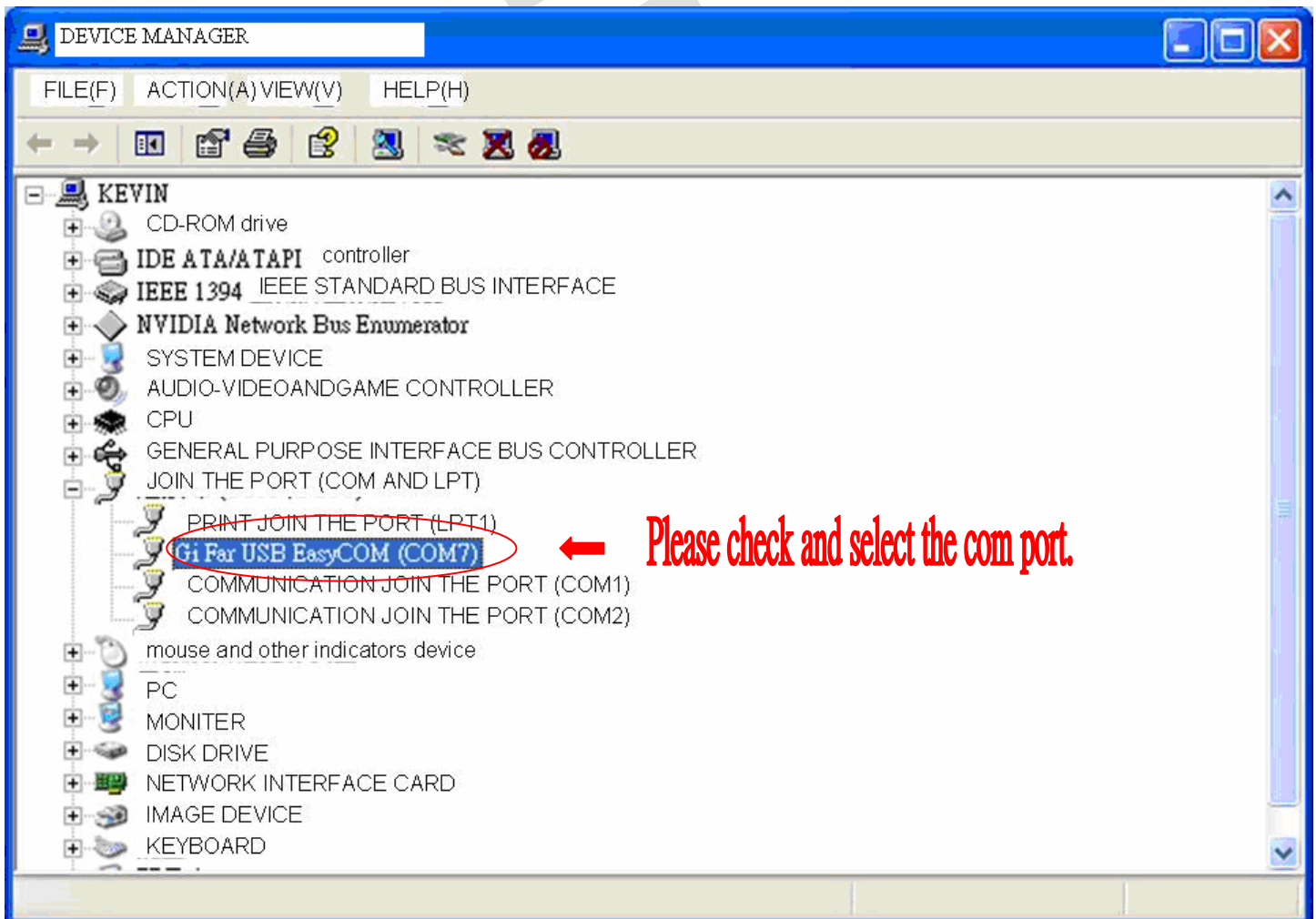
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Step 1: Connect the USB port of sender's module to the PC.

Step 2: Electricity the sender's module.

Step 3: User need to check and select the com port in the Device Manager



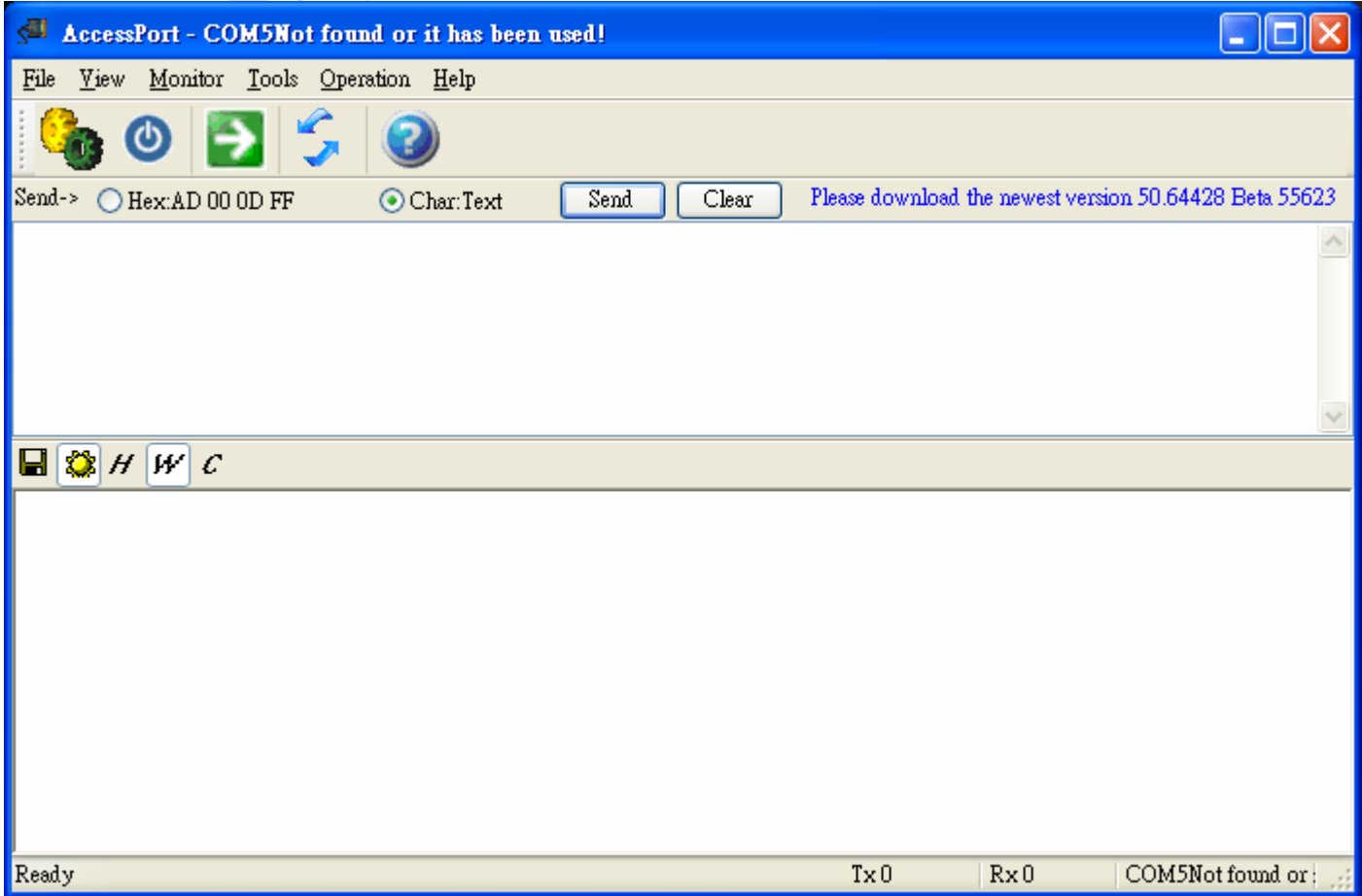


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Step 4: Execute the software Access Port



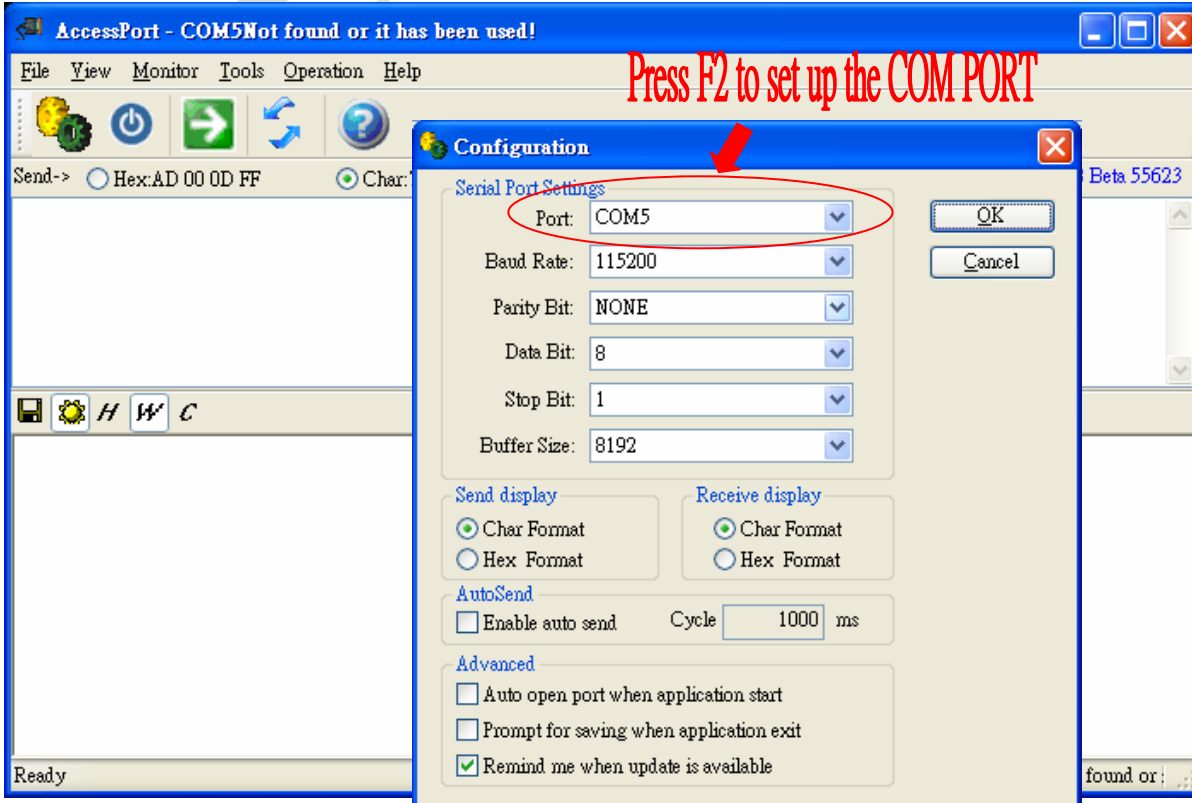


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Step 5: Press F2 to set up the com port.





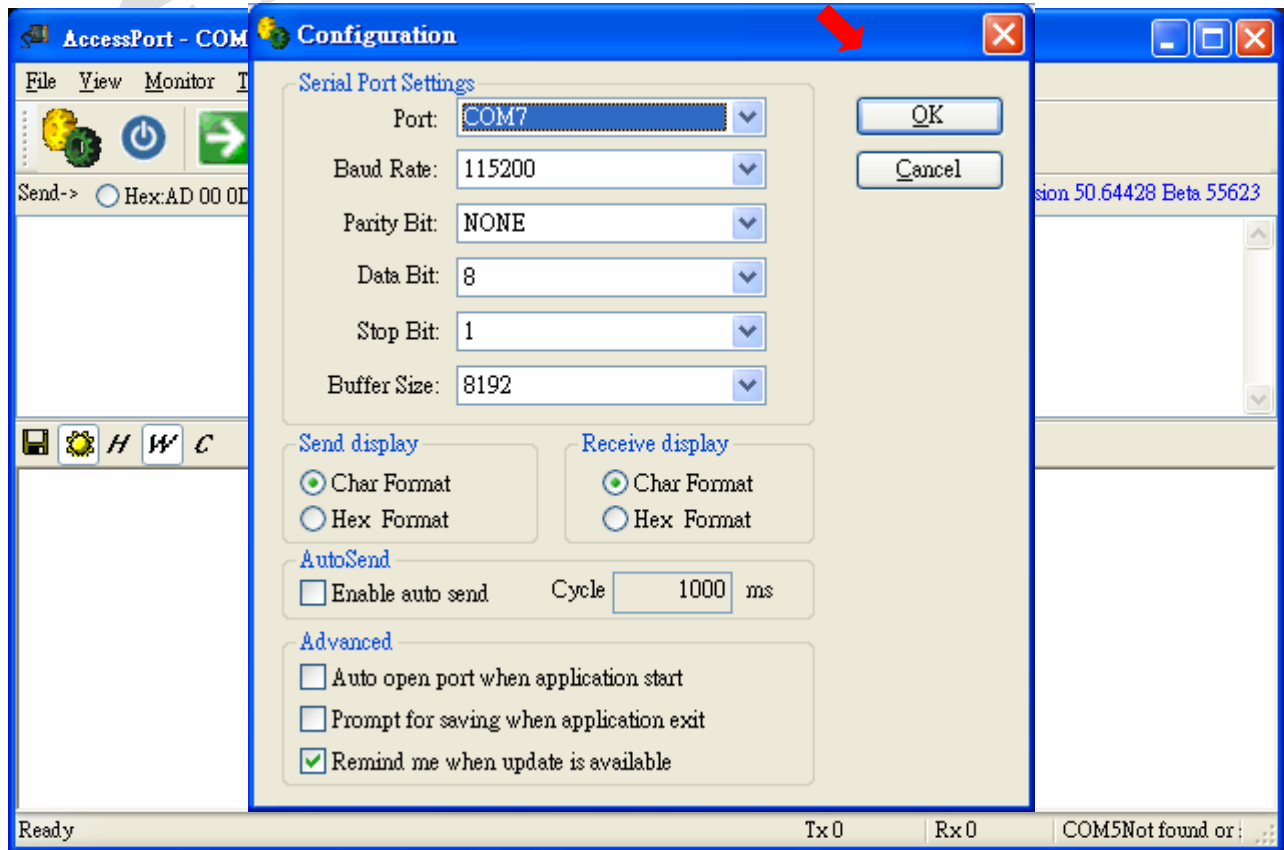
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Step 6 : The set up completed, press OK button.

COM PORT set up completed



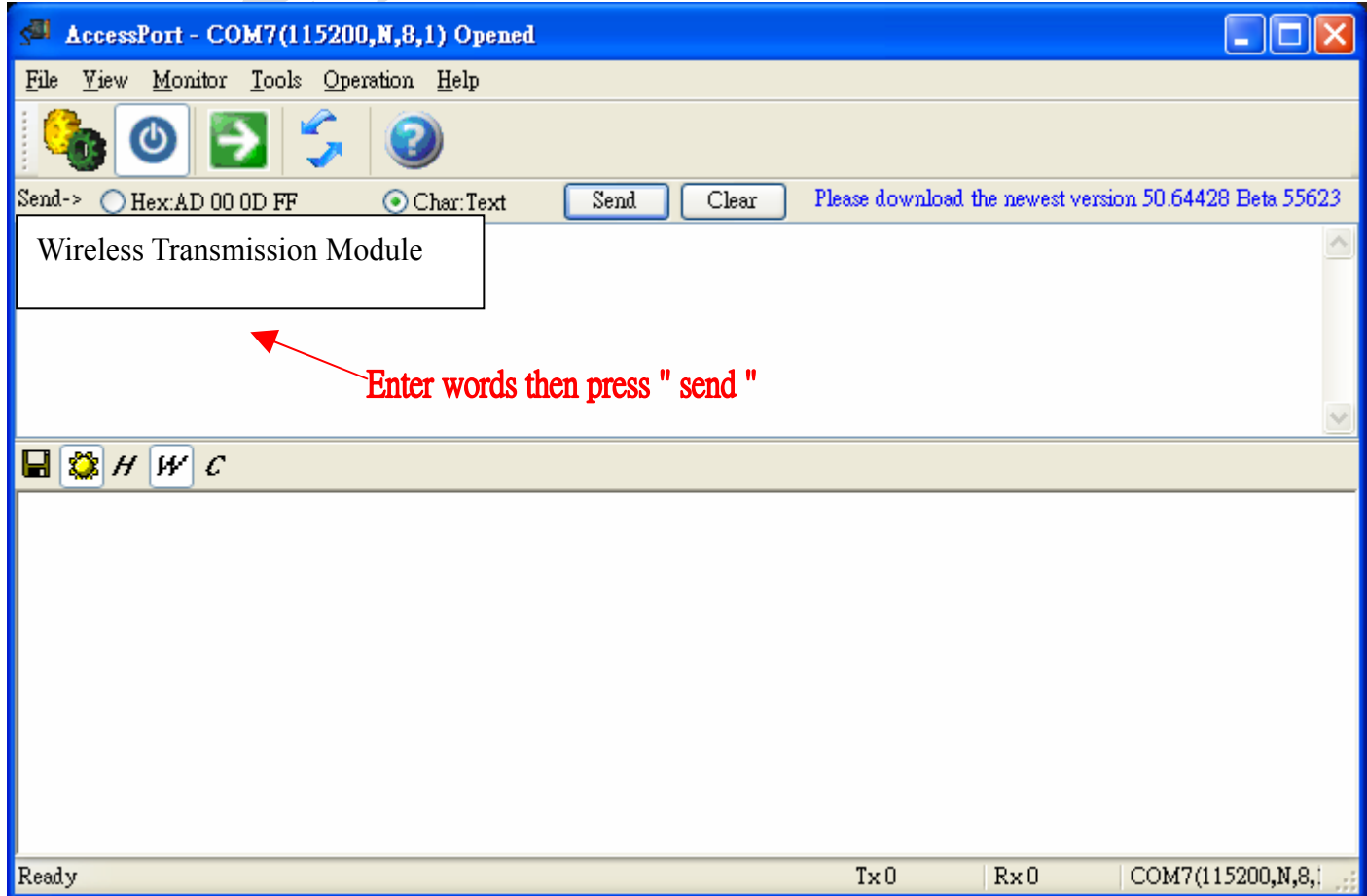


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Step 7: Enter words on the blank, and then press "send "



Step 8 : After sending, the receiver module will show up the words been entered earlier.