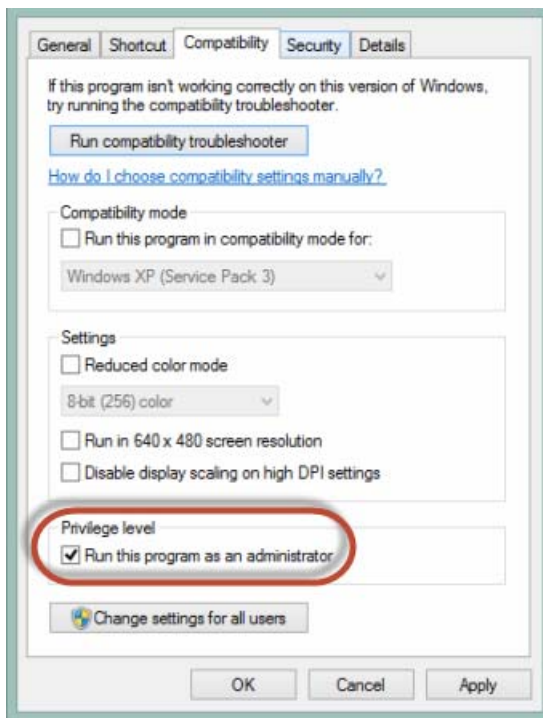




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### ***Command Mode Scan Engine Configuration Guide***

1. Please install your scan engine on the demo board and connect the host with the USB virtual com cable.
2. Install Serial to USB driver. Click here for [MT700](#); click here for [MT7X2](#).
3. Install [BEO](#), a PC-based software utility that helps user to send command to the scan engine.
4. After successful installation, go to the Properties window of BEO program, check the box saying “Run this program as an administrator” and click OK.



5. Enter Device Manager and check which COM port is currently occupied by the scan engine.
6. Enter BEO by double-clicking the shortcut icon on the desktop.



- [illegible]

- 
- Communication Setting
- Save-Home (H)
- RS-232
- 9600
- 8 Bits
- COM9
- None
- 1 Bit(One)
- ☐ Auto Detection
- Time out 35



- [illegible]

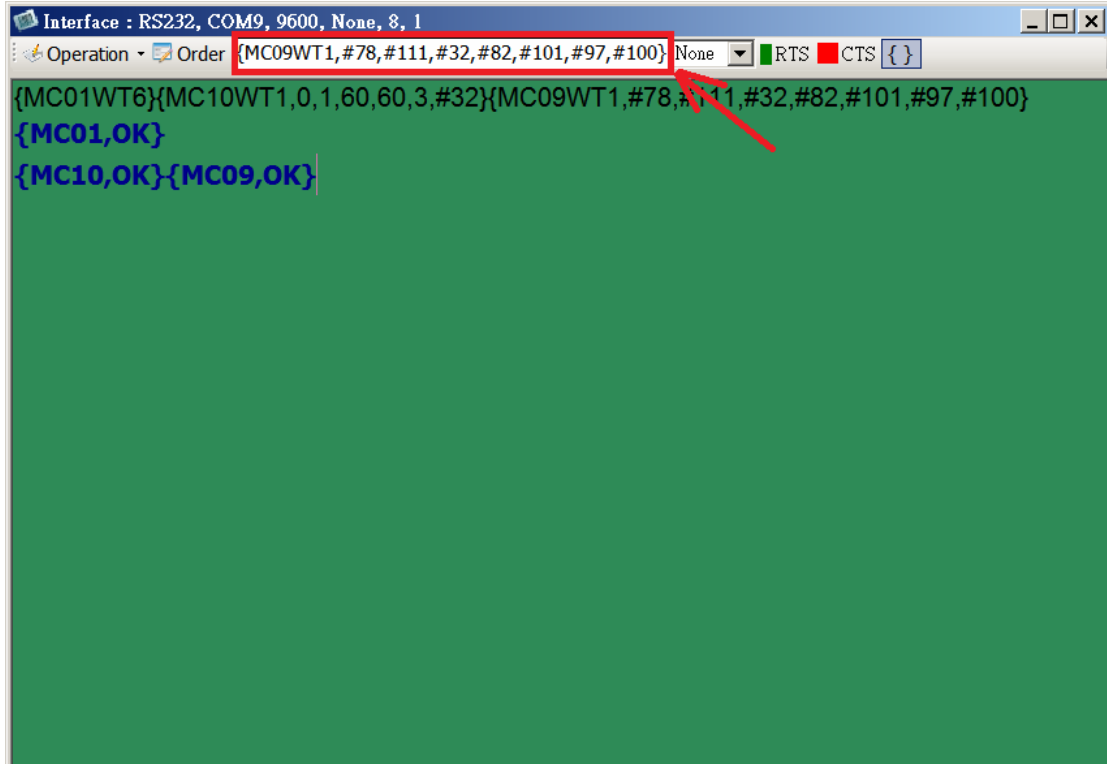


### **Command Mode Scan Engine Configuration Guide**

10. On the command field, please input the following command and press [Enter]

“*{MC01WT6}{MC10WT1,0,1,60,60,3,#32}{MC09WT1,#78,#111,#32,#82,#101,#97,#100}*”

The scan engine will confirm by return “*{MC01,OK}{MC10,OK}{MC09,OK}*”



#### **Note:**

*{MC01WT6}* = Serial Trigger Mode (Software Trigger)

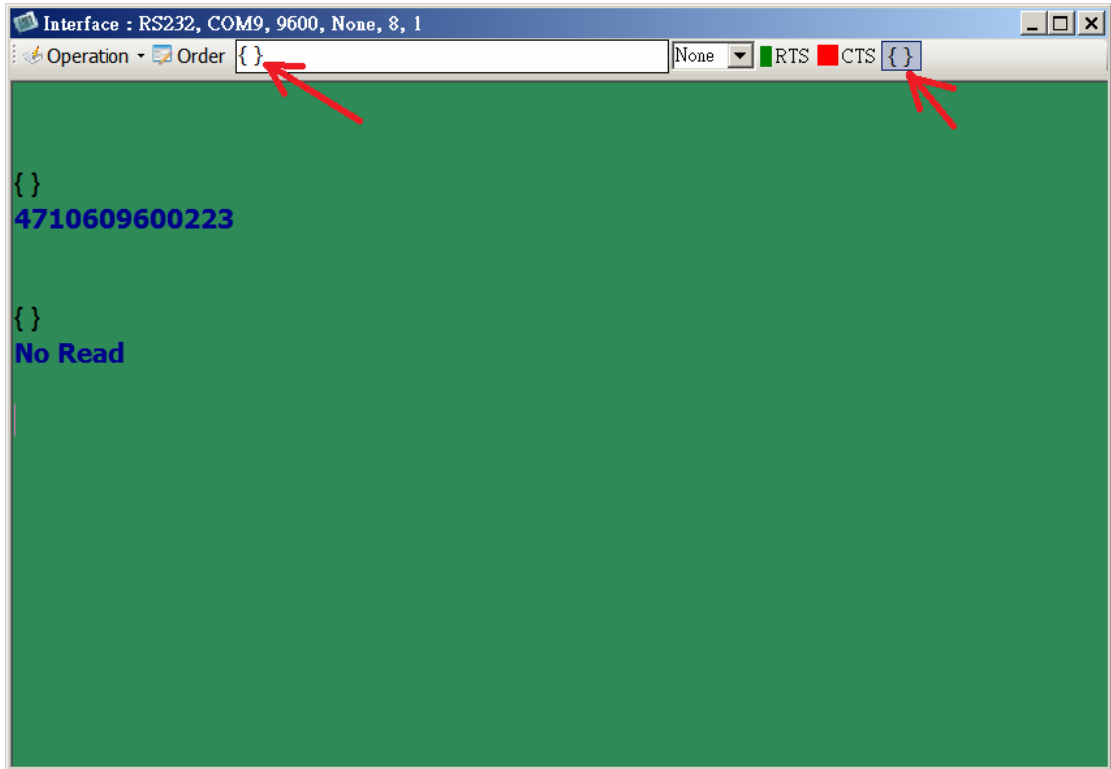
*{MC10WT1,0,1,60,60,3,#32}* = Set default software trigger command as “{ }”, and after 3 seconds of inactivity the scan engine’s LED will automatically go off.

*{MC09WT1,#78,#111,#32,#82,#101,#97,#100}* = The scan engine will return “NO READ” as failure message to the host after 3 seconds of inactivity.



### **Command Mode Scan Engine Configuration Guide**

11. To trigger the scan engine, please input “{ }” onto the command field and press [Enter] or simply click on the shortcut icon on the right.



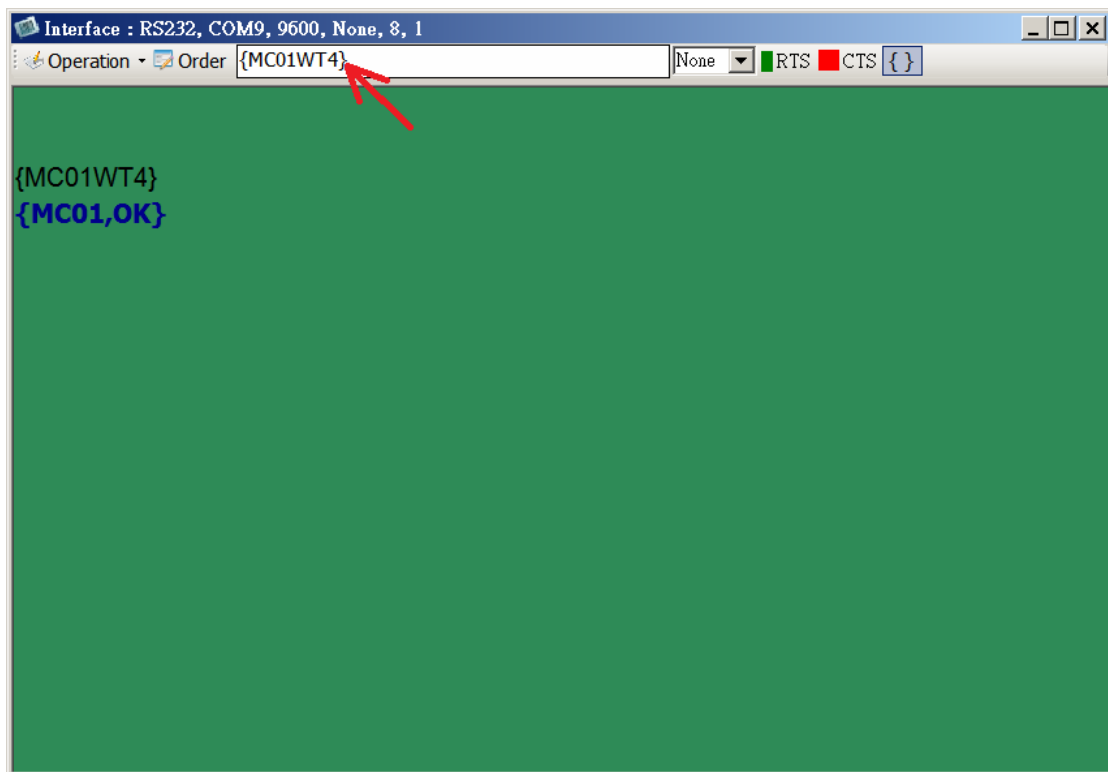
If the scan engine successfully reads a barcode, it will return the barcode data immediately.

If the scan engine does not read any barcode in 3 seconds, it will automatically turn off and return “No Read”.



### Command Mode Scan Engine Configuration Guide

12. To switch the scan engine to Continuous Mode, please enter “*{MC01WT4}*”.



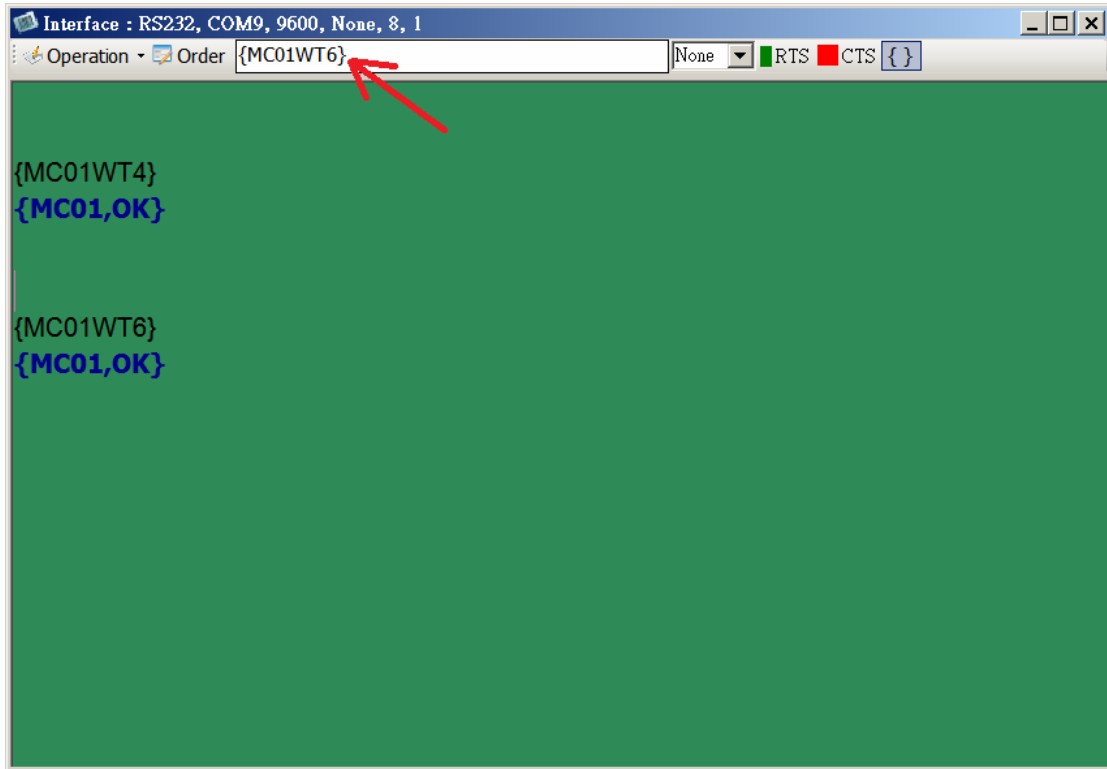
**Note:**

*{MC01WT4}* = Continuous Mode



### Command Mode Scan Engine Configuration Guide

13. To switch the scan engine back to Serial Trigger Mode (Software Trigger), please enter “*{MC01WT6}*”.



**Note:**

*{MC01WT6}* = Serial Trigger Mode (Software Trigger)

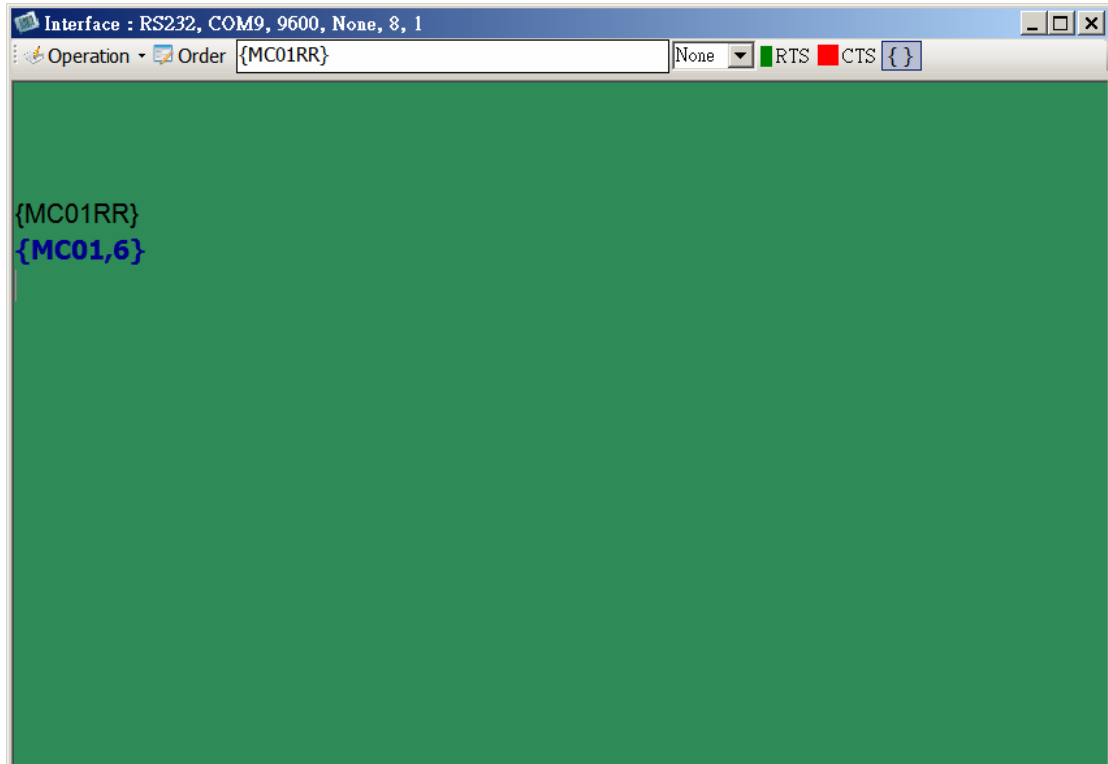
As inactivity timeout (3 sec) and failure message (“NO READ”) have already been set in Step 10, now you may simply trigger the scan engine by sending “*{ }*”



#### Command Mode Scan Engine Configuration Guide

14. A simple way to check if the scan engine is working is to request the status of a specific function.

For example, we can request the status of Reading Mode by sending “*{MC01RR}*”



The scan engine will return its status by replying “*{MC01,6}*”, meaning Serial Trigger Mode.





## **Command Mode Scan Engine Configuration Guide**

15. For full command list, please refer to the program's Help file under below topic:

### **Help > Test Window > Command Operation**

