

### Testing Environments

Support 15693 series reader/writer under Windows 98 , 2000 & XP operation system.

### Basic operation

1. Make sure the reader is installed properly before run the demo program
2. run the demo program found in the CD
  - **CD directory \demo\_program\ RR9000\_MUL\_DEMO\_en.exe**
3. select from menu , click on "open COMPort" to establish the connection automatically, reader information will show as Fig.1 area "8"
4. place the Tagi-it ISO card on the RR9036
5. click on "Inventory" button , the ID number will show on fig.1 area "19"
6. click on the down arrow on the operation mode to select the ID and click on the "getsysteminformation", the tag information will show on fig 1 area "10".
- Tag-it memory config : writing type "A" , max block : "0-63" , block size "4"**
7. click into the memory organization table to select a block to be read/written to
8. select the block no (0-63) then read or write the data from/to the tag

### Remake :

After inventory process, the identified tags are switched to a Quite state.

Therefore , the RF field is reset automatically before each inventory process so that the tags are identified continuously.

Below are two methods to send the "Inventory" command for the same Tag .

[1] click on "close RF" → "open RF" → "Inventory" , before you click on the "Inventory" command for the same tag

[2] take the tag away from the RF field , then place it on the RR9036 again so that the reader can active the tag again. Then Click on "Inventroy"

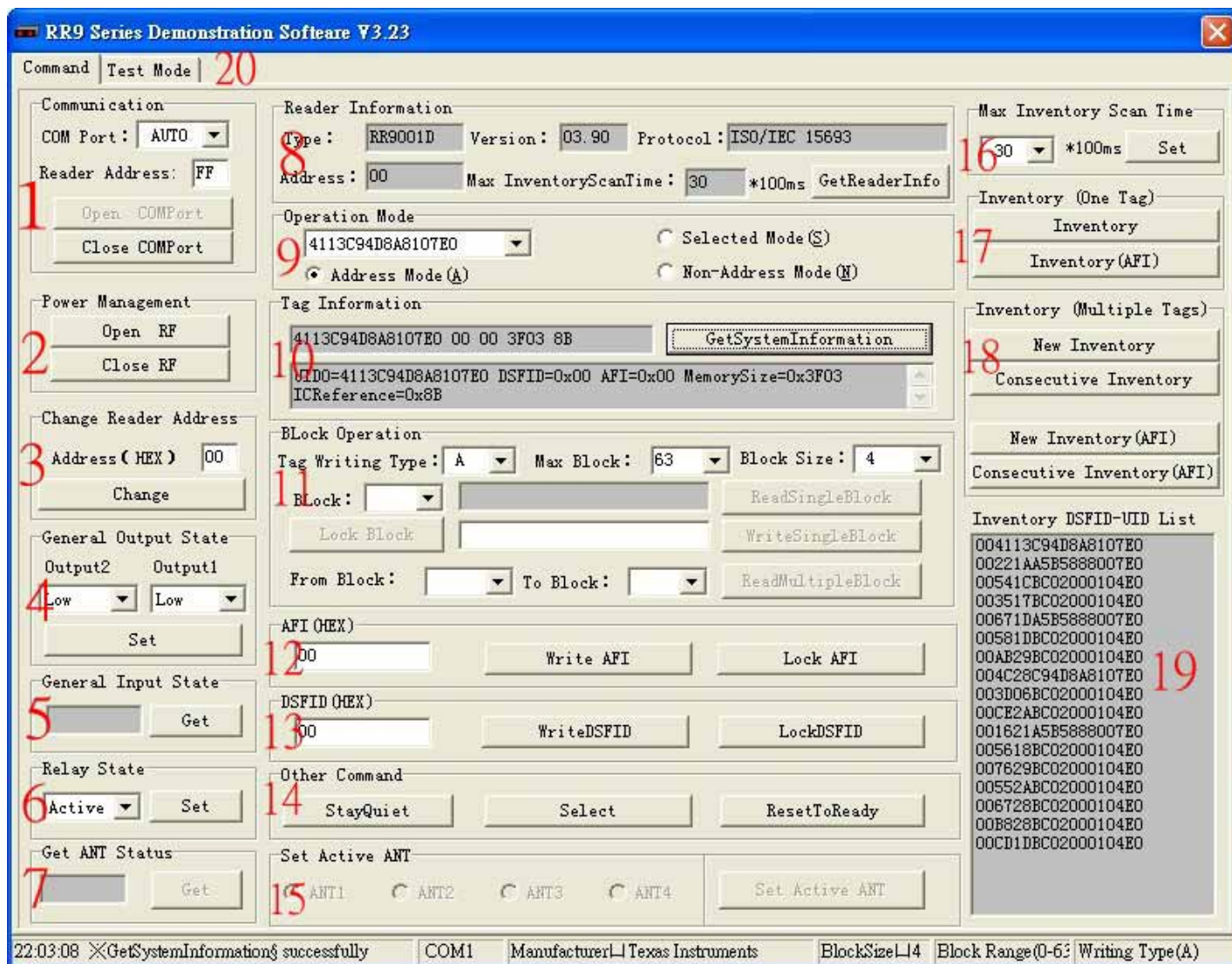


Fig 1 – demo program menu.

1. **communication** : open/close com port
2. **Power management** : switch the RF field off /on
3. **change reader address** : hex address 00-FE
4. **Output state control** (for 15693-RW-232-1W & 15693-RW-232-4W version only)
5. **Input state control** (for 15693-RW-232-1W & 15693-RW-232-4W version only)
6. **Relay state control** (for 15693-RW-232-1W & 15693-RW-232-4W version only)
7. **Get antenna status** (for 15693-RW-232-4W multi antenna version only)
8. **reader information** : show reader information after Reader connected with PC correctly
9. **operation mode** : address mode , selected mode & non-address mode (refer to Tag-it datasheet)
10. **Tag information** : show tag information after click on the "getsysteminformation"
11. **Block operation** : click into the memory organization table to select a block to be read / written to  
(Tag-it memory–Tag writing type: **A**/Max block: **0-63**:Block size : **4**)
12. to 14. other implemented Tag-it commands as follow can be used according to their function defined in datasheet : reset to ready / stay quiet / Quite storage  
: AFI (application family Identifier) read/write function  
: DSFID (data storage format Identifier) read/write function
15. **set active antenna** : (for 15693-RW-232-4W multi antenna version only)
16. **max Inventory scan Time** : set the scan time for inventory command

17. **Inventory** : read DSFID-UID number
18. **Inventory Multiple tags** : (for 15693-RW-232-1W & 15693-RW-232-4W version only)
19. **Inventory DSFID-UID list** : message window to show the DSFID-UID data
20. **Test mode** : (for 15693-RW-232-1W & 15693-RW-232-4W version only)

[illegible]