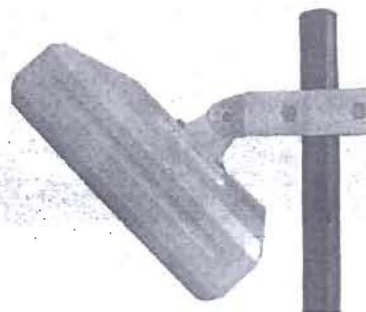


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Ams Software

USER SYSTEM

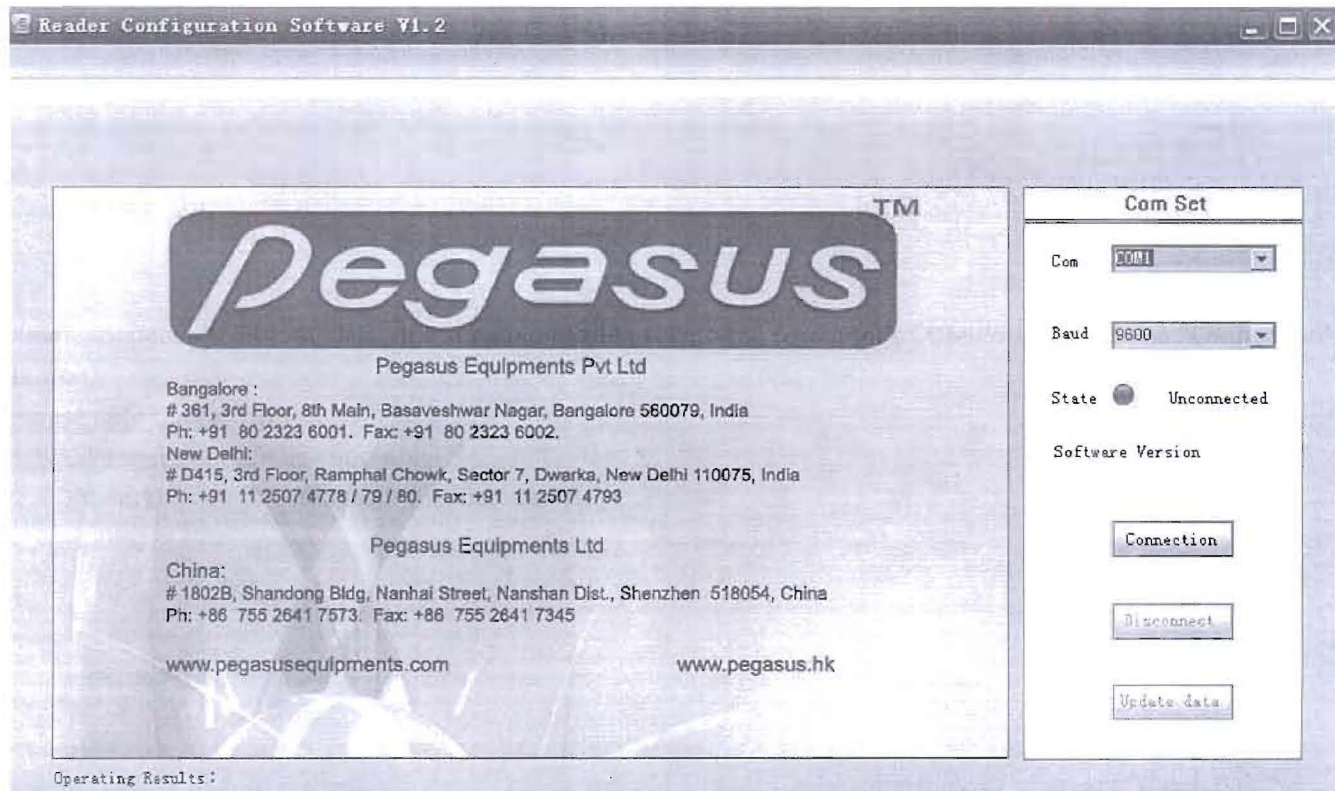
PW

+

(NO PASSWORD)

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Main Screen:



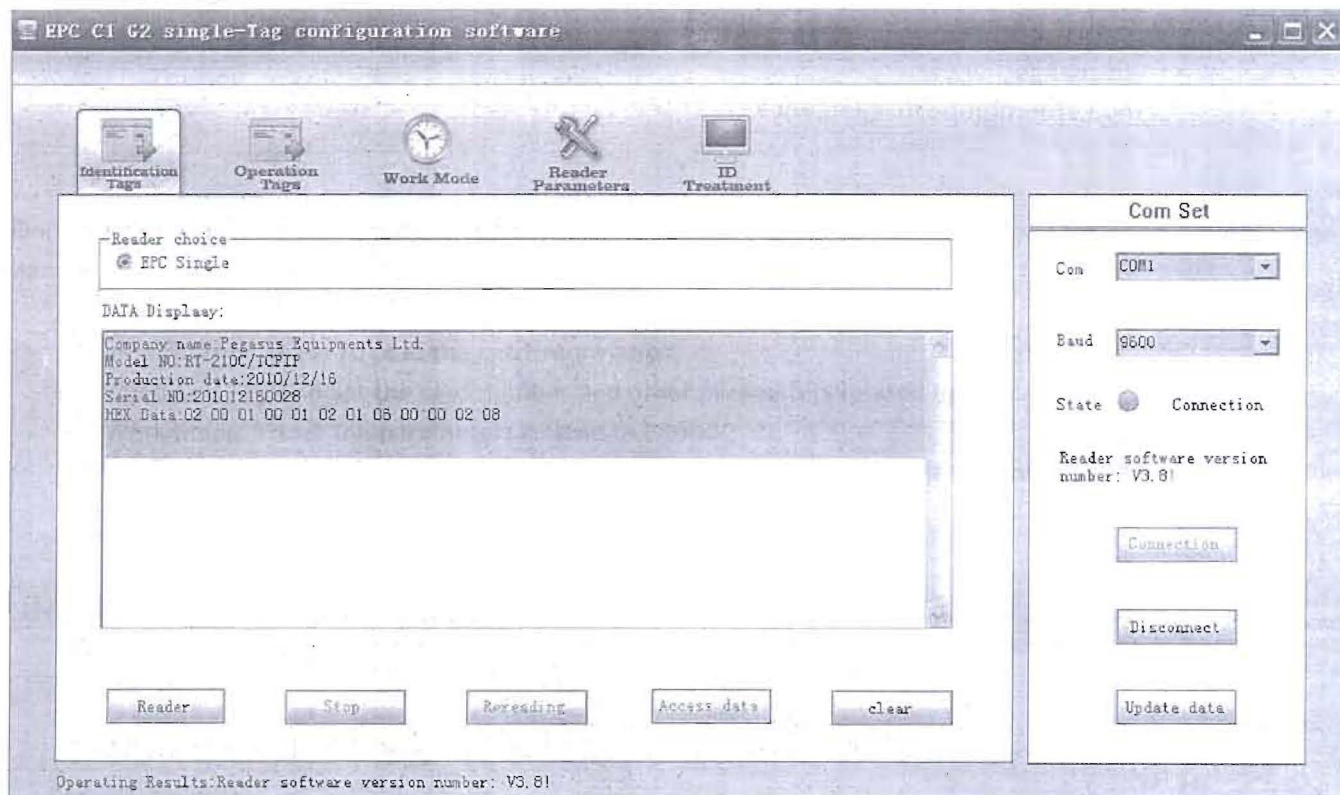
Kindly connect the PR900C using the supplied RS232 cable to the computer's COM Port and click on "Connection" button.

Please note the following:

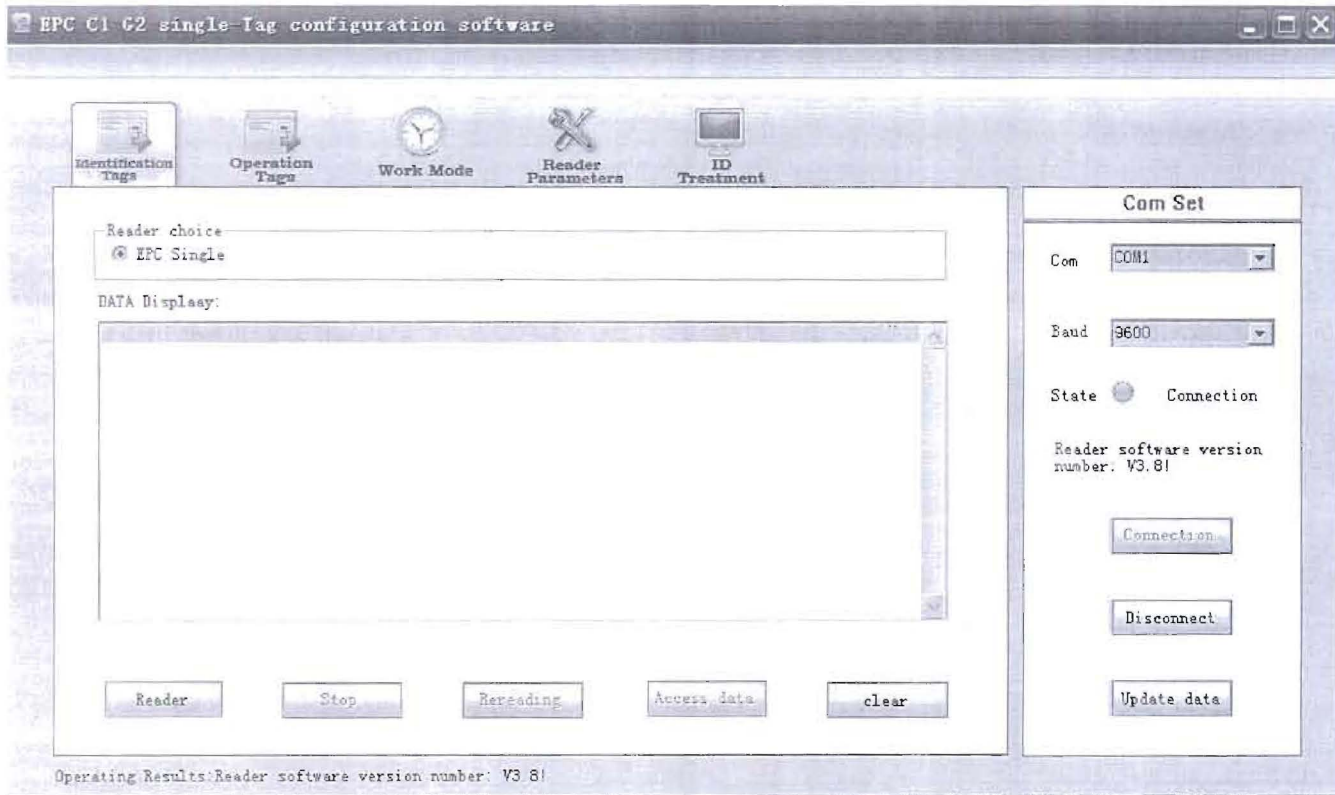
1. Baud Rate to be kept as 9600 only.
2. COM Port can be selected from the drop down list.

Once the connection to the PR900C is established, the software opens up, and provides a total of 5 options namely

1. Identification Tags: To read the card information
2. Operation Tags: To Set the card number and other parameters related to the card
3. Work Mode: To set the parameters related to PR900C
4. Reader Parameters: To set the frequency and power information for the Antenna of PR900C
5. ID Treatment : To formulate the details of the Card number ID



#### Identification Tags:



When a card is kept on the UHF reader, and the "Reader" button is clicked, the software instructs the PR900C to read that card and display the data.

The data format is show below for reference.

#### DATA Display:

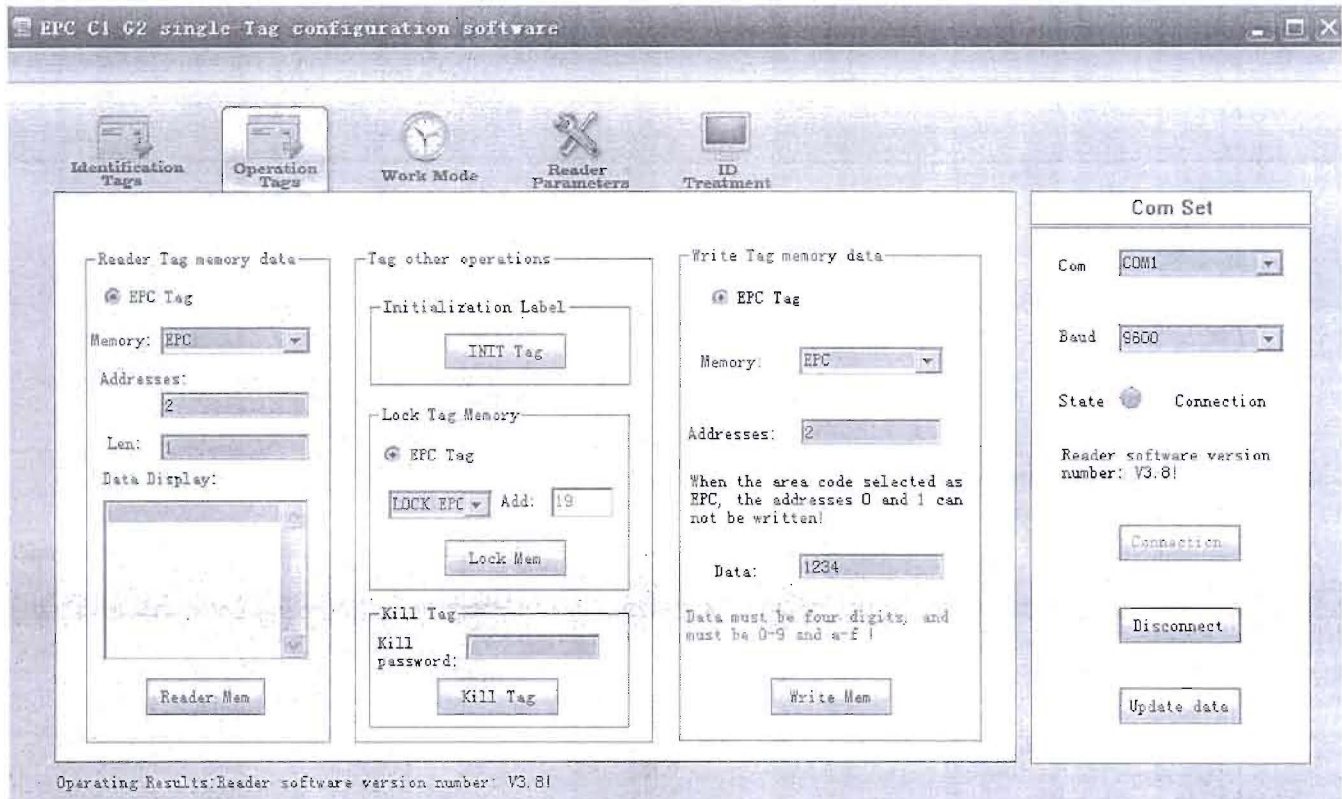
```
49 43 40 00 59 11 00 98 19 60 49 F9[ANT1]
```

Pls note:

1. The data format displayed is in HEX.



## Operation Tags



Operation Tags are divided into 3 parts namely

1. Reader Tag Memory Data: To Read the data on the card, sector wise
2. Tag Other Operations: To Set the parameters for the Card
3. Write Tag Memory Data: To Write the data on the card.

The Operation for writing the card number is as follows:

In the "Write Tag Memory Data" Section, the card number is written as follows:

- The Data is written in Sector 2 and Sector 3
- Data in Sector 2 / Sector 3 has to consist of 4 digits (in HEX format only)
- After Writing the Sector 2 data, the same can be verified in "Reader Tag Memory data" part, by selecting the sector 2
- The same process gets repeated for Sector 3 data as well.

## Work Mode

The screenshot shows the 'EPC C1 C2 single-Tag configuration software' window. The 'Work Mode' tab is selected, showing various configuration sections:

- Mode Selection:** Radio buttons for Master-slave, Timing (selected), and Trigger.
- Timer Parameters:** Timing Interval: 15 \*10ms.
- Adjacent discriminant:** Check box for ID adjacent filter.
- Filtration:** 10 \*1S.
- Trigger model parameters:** Type: High level trigger; Shutdown Delay: 10.
- User code:** User code: 255.
- Communication interface type is set:**
  - Communication Interface: Wiegand.
  - Tag type selection: Radio buttons for EPC Tag (selected) and other options.
  - Wiegand Bits: In the following list to choose from which start to take; 1 Byte.
  - Wiegand Parameters: Wiegand protocol: Wiegand25; Pulse width: 8 \*10us; Pulse period: 12 \*100us.

Buttons at the bottom: Default, Reader, Set.

**Com Set** panel on the right:

- Com: COM1.
- Baud: 9600.
- State: Radio buttons for Connection (selected) and other options.
- Reader software version number: V3.8!
- Buttons: Connection, Disconnect, Update data.

Operating Results: Reader software version number: V3.8!

The work mode classification is given for setting up the parameters of the UHF Reader.

The following parameters needs consideration while programming

- User Code = Reader ID. The reader ID can be set from 1 to 255.
- Communication Interface can be set as Weigand, RS232, or RS485

The image shows a close-up of the 'Communication Interface' dropdown menu. The options are: Wiegand (selected), RS232, RS485, and Wiegand.

- Please remember to click the "SET" button after changing the parameters

• Reader Parameters

EPC C1 G2 single Tag configuration software

Identification Tags    Operation Tags    Work Mode    **Reader Parameters**    ID Treatment

Power Setting

POWER  1-150

Reader mode

☒ EPC Single

Frequency Setting

☒ Fixed-frequency  
 ☒ Frequency-hopping

Antenna Setting

☒ ANT1    ☐ ANT2    ☐ ANT3    ☐ ANT4

Hopping Set

<input checked="" type="checkbox"/> F1	<input type="checkbox"/> F2	<input type="checkbox"/> F3	<input type="checkbox"/> F4	<input type="checkbox"/> F5	<input type="checkbox"/> F6	<input type="checkbox"/> F7	<input type="checkbox"/> F8	<input type="checkbox"/> F9	<input type="checkbox"/> F10
<input checked="" type="checkbox"/> F11	<input type="checkbox"/> F12	<input type="checkbox"/> F13	<input type="checkbox"/> F14	<input type="checkbox"/> F15	<input type="checkbox"/> F16	<input type="checkbox"/> F17	<input type="checkbox"/> F18	<input type="checkbox"/> F19	<input type="checkbox"/> F20
<input checked="" type="checkbox"/> F21	<input type="checkbox"/> F22	<input type="checkbox"/> F23	<input type="checkbox"/> F24	<input type="checkbox"/> F25	<input type="checkbox"/> F26	<input type="checkbox"/> F27	<input type="checkbox"/> F28	<input type="checkbox"/> F29	<input type="checkbox"/> F30
<input checked="" type="checkbox"/> F31	<input type="checkbox"/> F32	<input type="checkbox"/> F33	<input type="checkbox"/> F34	<input type="checkbox"/> F35	<input type="checkbox"/> F36	<input type="checkbox"/> F37	<input type="checkbox"/> F38	<input type="checkbox"/> F39	<input type="checkbox"/> F40
<input checked="" type="checkbox"/> F41	<input type="checkbox"/> F42	<input type="checkbox"/> F43	<input type="checkbox"/> F44	<input type="checkbox"/> F45	<input type="checkbox"/> F46	<input type="checkbox"/> F47	<input type="checkbox"/> F48	<input type="checkbox"/> F49	<input checked="" type="checkbox"/> F50

Default    Reader    Set

Com Set

Com

Baud

State ☒ Connection

Reader software version number: V3.8!

Connection

Disconnect

Update data

No changes needs to be made in the default setting, unless the user wishes to change it for other controllers / application.

