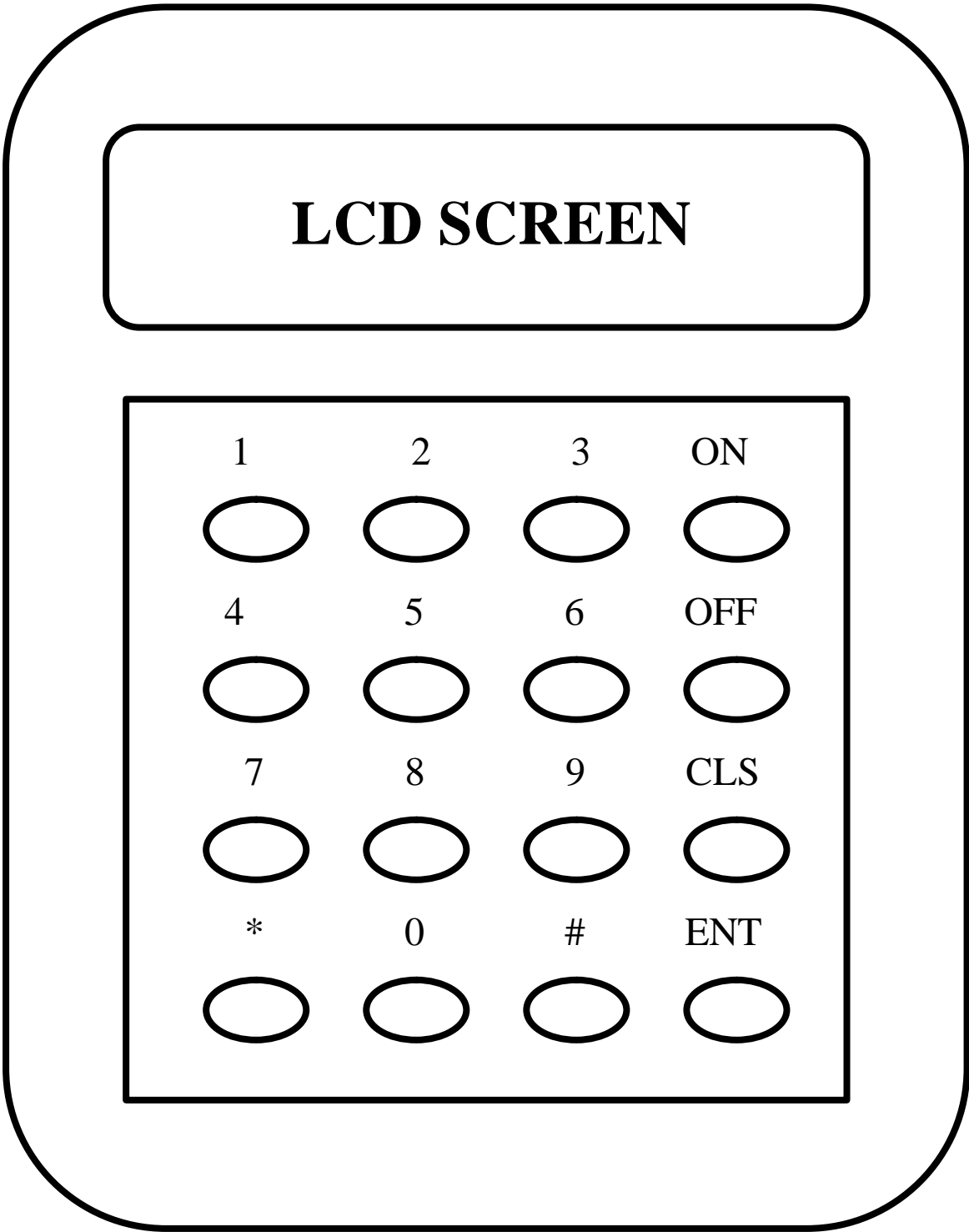


# **HW-5056 & HW-5088**

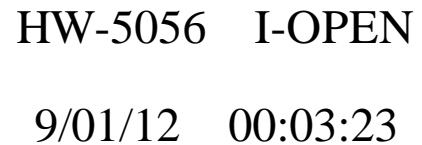
## **Proximity Reader User's Manual**



### Open door from the Keypad :

When the user press \*, the reader open the door and the screen will show I-OPEN

### The Screen Shows:

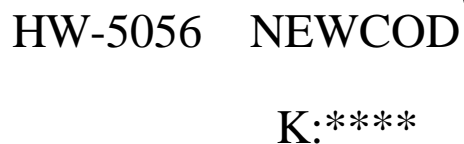


HW-5056 I-OPEN  
9/01/12 00:03:23

### To change the PIN code :

After the user presents the card and enters the PIN code, he/she has to press **OFF**, and enter a new 4 digits PIN code.

The LCD will display as below after pressing OFF:

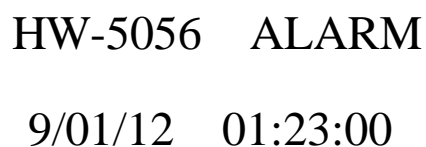


HW-5056 NEWCOD  
K:\*\*\*\*

### When door is forced opened :

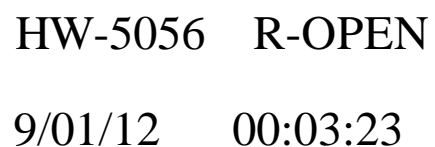
1. If the reader detects that the door is opened without legal procedures, it will activate the alarm that has been functioned.
2. To relieve the alarm, simply present a valid card to reader.

When Alarm is activated



HW-5056 ALARM  
9/01/12 01:23:00

When the door is open through net work



HW-5056 R-OPEN  
9/01/12 00:03:23

## I. Using Proximity Card to Open the Door :

1. After the user presents the proximity card or tag to the reader, the reader will check if this ID is valid, if yes, then it will check whether this user need to enter PIN code to open the door. If the user is required to enter the PIN code, then **CODE** will appear on the LCD. The user has to enter the correct PIN code within 10 seconds in order to open the door. If PIN code is not required, the door will be opened after 1 to 4 seconds, depends on the memory capacity of the reader.

- ◆ After sensor, the LCD will show:

HW-5056      OPEN

I : \*\*\*\*\*

- ◆ Enter the password , the LCD will show:

HW-5056      CODE

I:\*\*\*\*\*      K:\*\*\*\*

I: Card number      K: PIN code  
Enter the PIN code and press **ENT**

- ◆ If the code is incorrect, the LCD will show:

HW-5056      ERROR

I:\*\*\*\*\*      K:\*\*\*\*

- ◆ When the door is opened, the LCD will show:

HW-5056      OPEN

I:\*\*\*\*\*      K:\*\*\*\*

## II. Set up the Functions :

- ◆ Use the Master Card to sensor the reader and press **OFF** will get to Function set up screen

LCD display of Function Set Up Menu

HW-5056    FUN:\*\*

### A. Set up the Electronic Lock Timing

HW-5056    FUN:01  
DROTM:01.0    SEC

- ◆ This is to set up the time electronic lock will take to open the door
- ◆ Input 01 and press ENT
- ◆ Enter any number between 1 and 255 and press ENT.( in seconds)

### B. Set up the Alarm Timing

HW-5056    FUN:02  
ARTMT:020    SEC

- ◆ To set the the length of alarming time when the alarm is activated.
- ◆ Input 02 and press ENT
- ◆ Enter any number between 1 and 255 and press ENT.( in seconds)
- ◆ Press **CLS** to exit.

### C. Set Up Alarm for Door Left Opened Overtime

HW-5056    FUN:03  
OVRTM:020    MIN

- ◆ If the door left open time exceeds the set up time, the reader will activate the alarm.
- ◆ Input 03 and press ENT

- ◆ Enter any number between 1 and 255 and press ENT.( in seconds)
- ◆ Press **CLS** to exit

#### **D. Set Up Surveillance Time**

HW-5056    FUN:04

SEETM:02.0    SEC

- ◆ This reader can be connected with a surveillance to meet a higher security needs.
- ◆ Input 04 and press ENT
- ◆ Enter any number between 1 and 255 and press ENT.( in seconds)
- ◆ Press **CLS** to exit.

The above four functions will not be in active if enter 0.

#### **E. Set Up the Date**

HW-5056    FUN:10

DATE:02/00/01

- ◆ This is to set up the date in the reader
- ◆ Input 10 and press ENT
- ◆ Input year/month/date
- ◆ Press **CLS** to exit.

#### **F. Set up the Time**

HW-5056    FUN:11

TIME:02/00/01

- ◆ set up the time in the reader
- ◆ Input 10 and press ENT
- ◆ Input year/month/date
- ◆ Press **CLS** to exit.

## G. Set Up Reader Number Linked Through RS-485

HW-5056 FUN:14

LN485:\*\*\*\*\*

- ◆ Set up the reader number
- ◆ Input 14 and press ENT
- ◆ Input the model number from 000000-999999, then press ENT
- ◆ Press **CLS** to exit.

## H. Delete All Learned Cards

HW-5056 FUN:60

22111000 WAIT

- ◆ The function delete all cards in the reader at once
- ◆ Input 60 and press ENT
- ◆ If the deletion is not successful or not enough memory, on the LCD, it will show ERROR and leave the Function set up menu automatically.
- ◆ If it's completed, it will show SETOK
- ◆ Press **CLS** to exit.

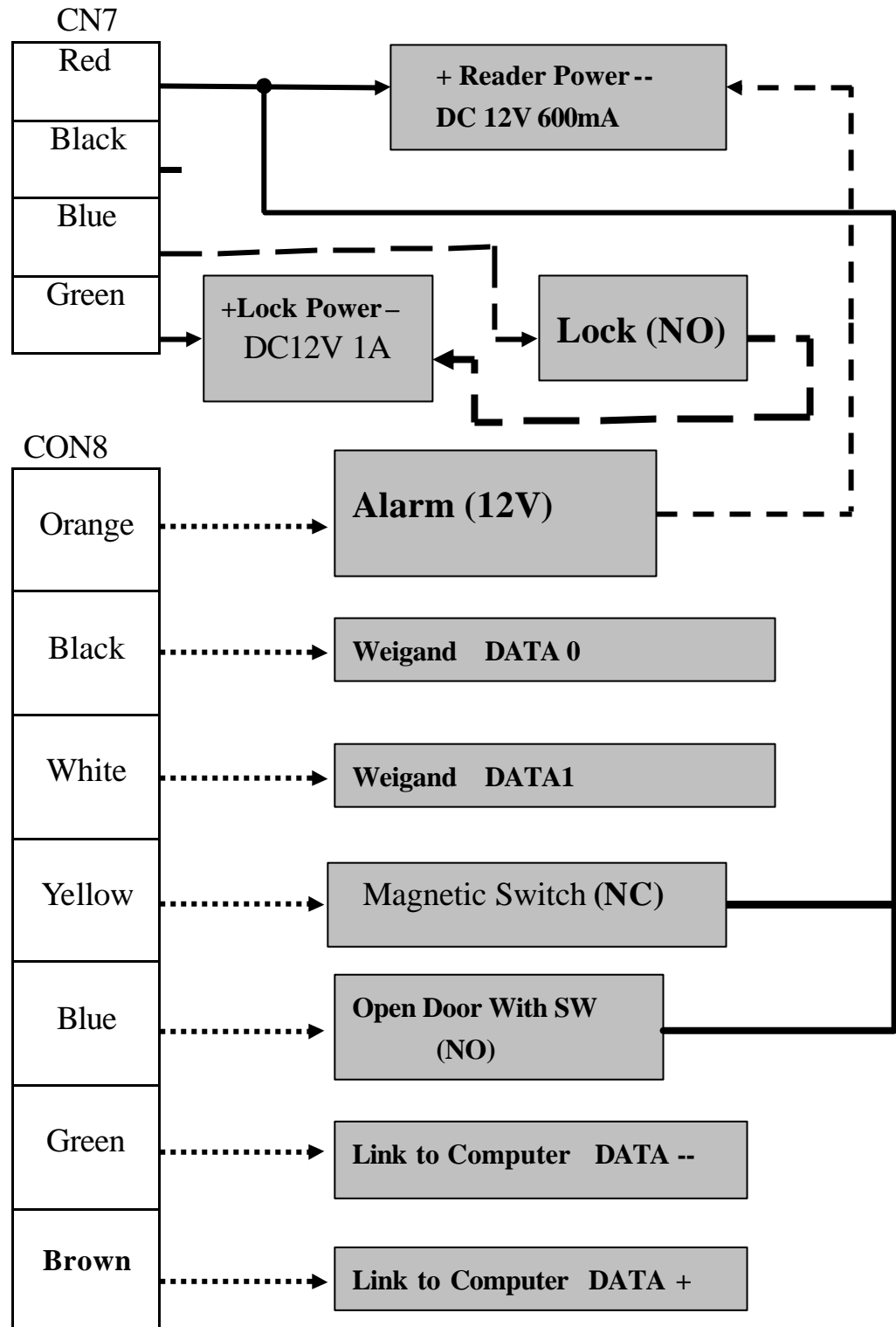
## I. To Delete All Records

HW-5056 FUN:61

SETOK

- ◆ This function delete all records in the reader at once
- ◆ Input 61 and press ENT
- ◆ If the deletion is not successful or not enough memory, on the LCD, it will show ERROR and leave the Function set up menu automatically.
- ◆ If it's completed, it will show SETOK
- ◆ Press **CLS** to exit.

### III. Wire Layout

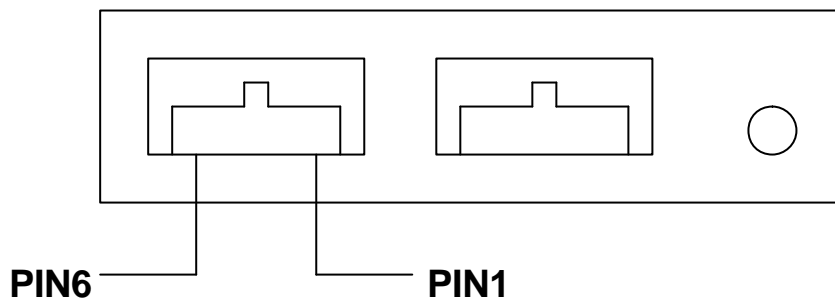


- PS.. 1. To prevent the reader be taken apart, then JP3 connect PIN  
 2. If only Door Detection Function is needed, then JP2 connect PIN,  
 yellow(CON8) connect the other end of Magnetic Switch  
 3. If 1 & 2 functions are needed, then JP2 and JP3 disconnect PIN  
 yellow(CON8) connect the other end of Magnetic Induction Switch  
 PS.. JP1 on the PCB can adapt the open door connect output to “NO” or “NC”

## IV. Link installation

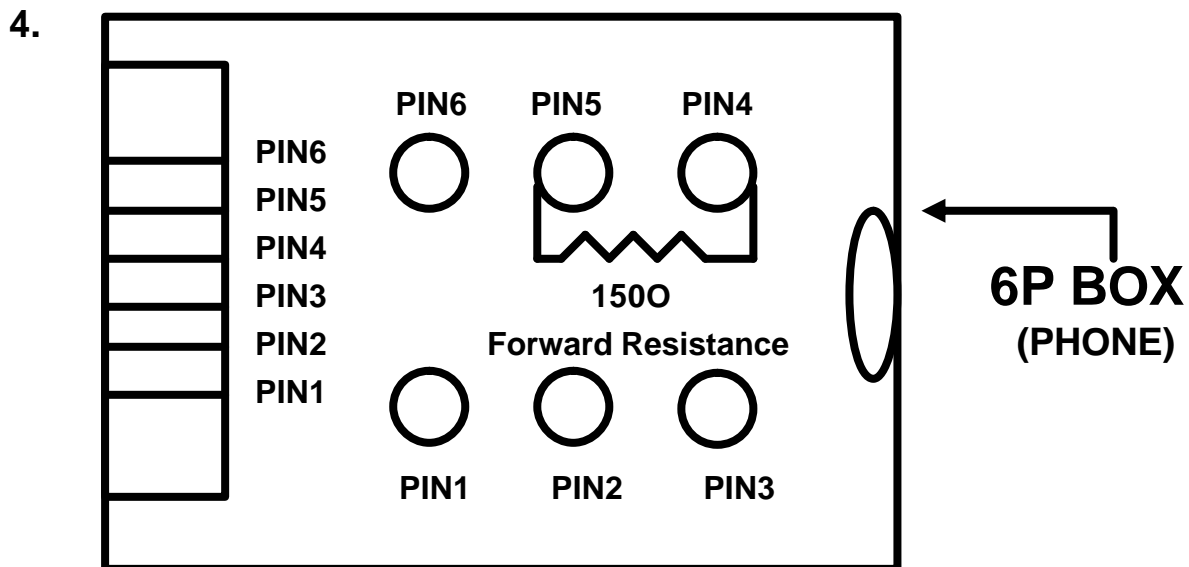
1. The line (9PIN ~ 25PIN) is connect with converter from PC (COM1 or COM2).
2. Switching the converter in half status. You must connect the converter with box (phone) by line.

### RS-232 TO RS-485 CONVERTER



The Transmissive distance is up to 1000M. ( From converter to HW-388 ).

3. The outlet of converter is PIN6 ~ PIN1 (From left to right)  
PIN5 : DATA + Linked signal  
PIN4 : DATA --

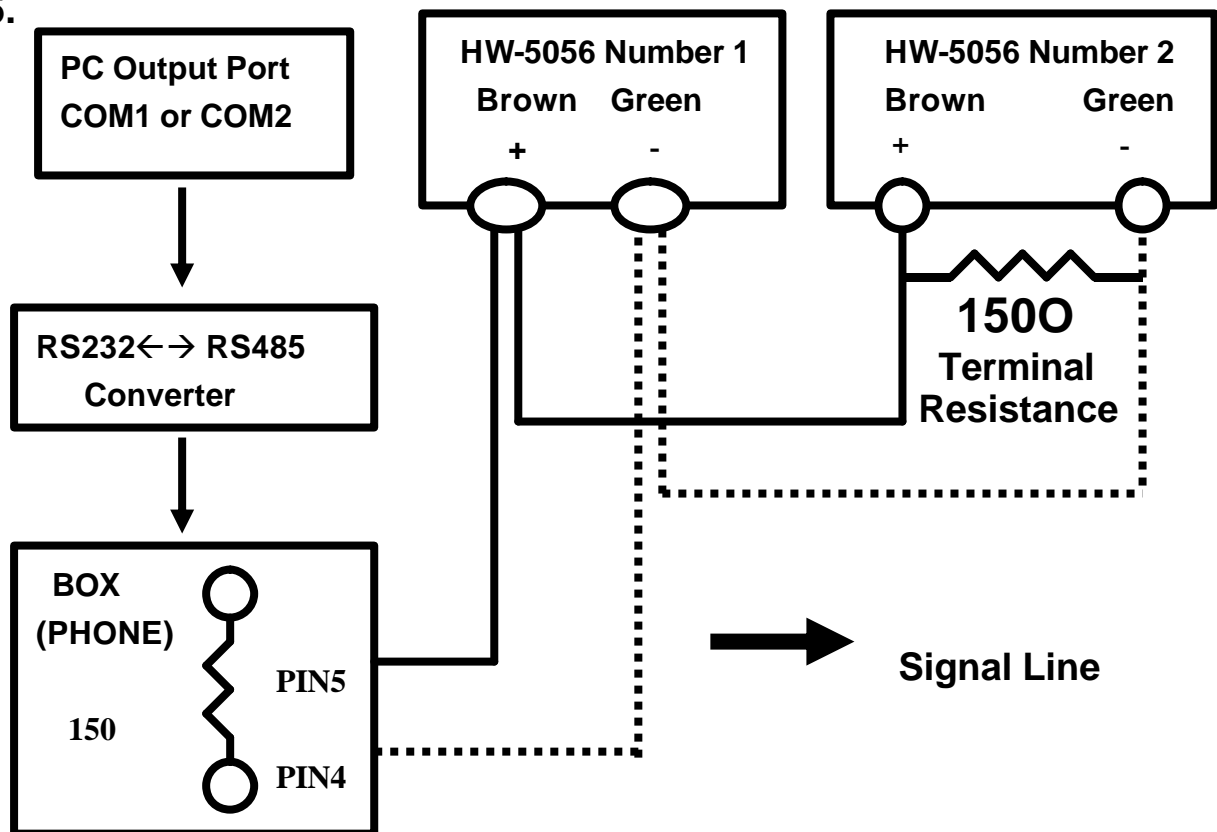


PIN5 : DATA + Connect to HW-5056 Brown Line : DATA +  
PIN4 : DATA - Connect to HW-5056 Green Line: DATA -

PS..In the middle



5.



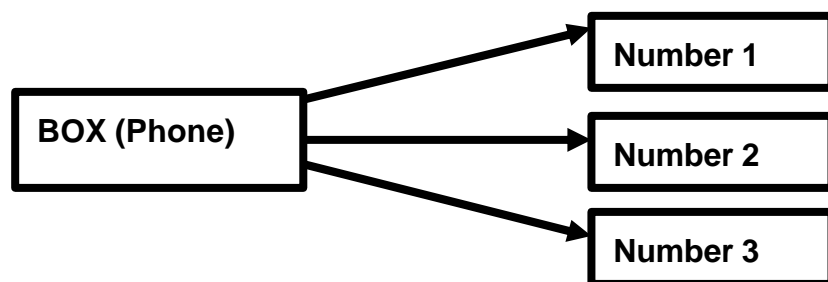
## PS. Warning :

### 1. Installation :

*A.. Signal line must connect to Number 1 from box(Phone), and from Number1 to Number 2 and to Number 3.....*



*B.. Avoiding to the meshed installation.*



- 2. Box(Phone) have to install a forward resistance (150 Ohm). The terminal resistance has to install in the line of latest HW-5056.  
→ You have to install two resistance ( 150 Ohm) in the whole line.**
- 3. 4P or 6P is available only ( Line).**
- 4. The output of PC port can changed by software.**
- 5. The line must use insulating line. Please do not use the traditional line to avoid the bad transmission.**