Manual for Smart Hotel Software

Software Version requires: SMART Hotel System Software V1.10 or above
Manual Version: 1.3
Updated Date: July 17, 2012
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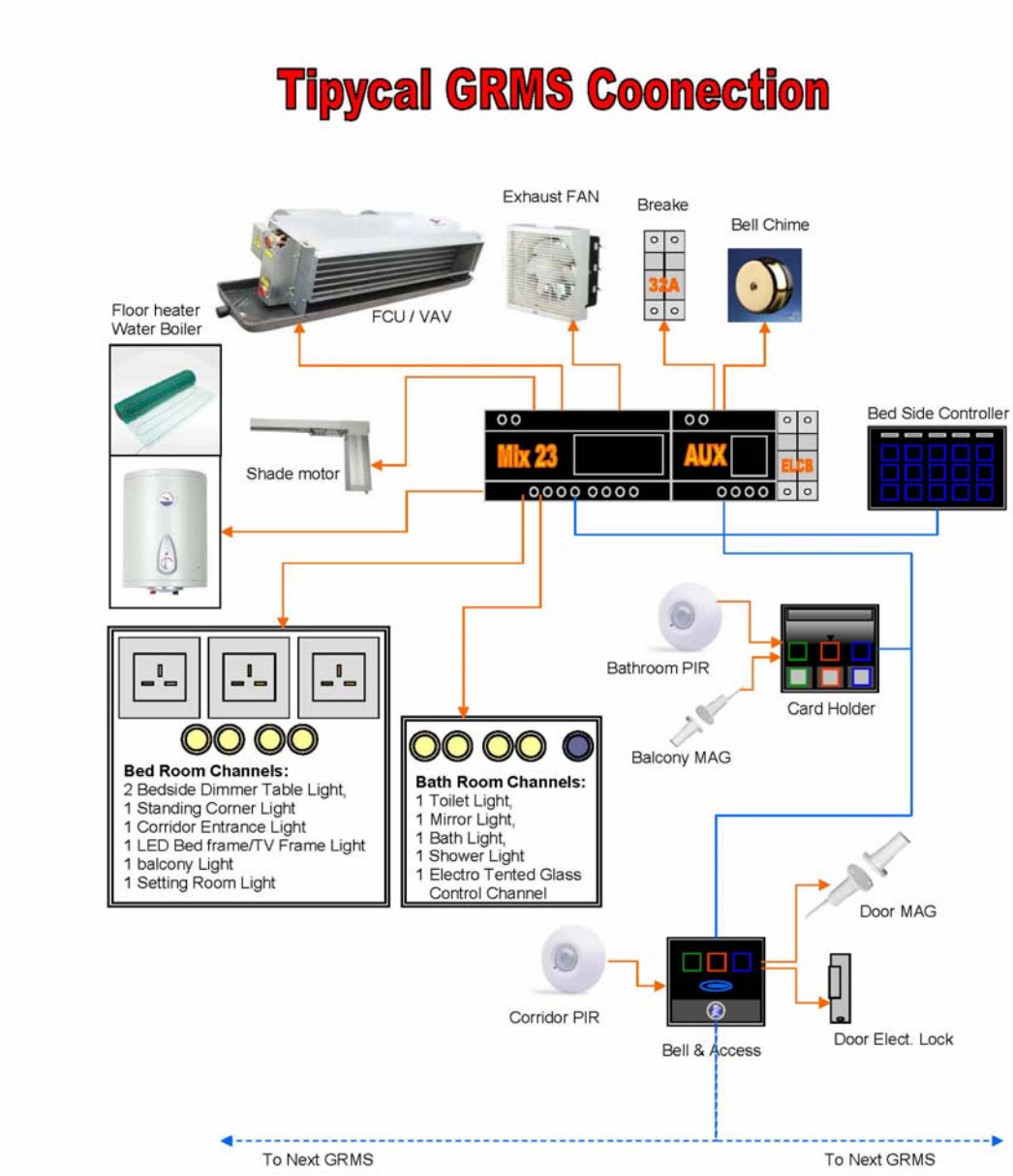
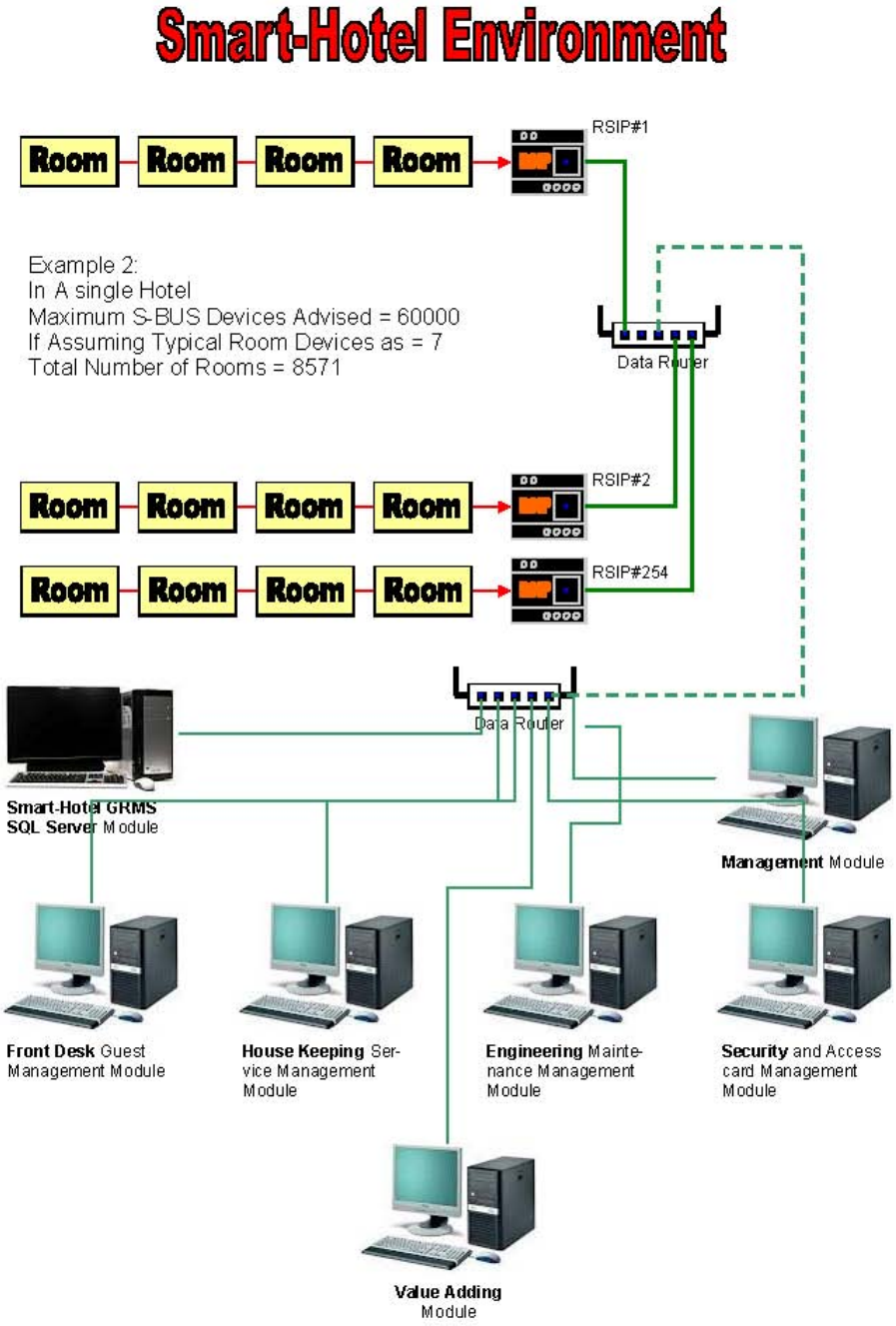
1. Smart-Hotel System instruction

1.1. Typical GRMS Connection



1.2 Smart-Hotel Environment

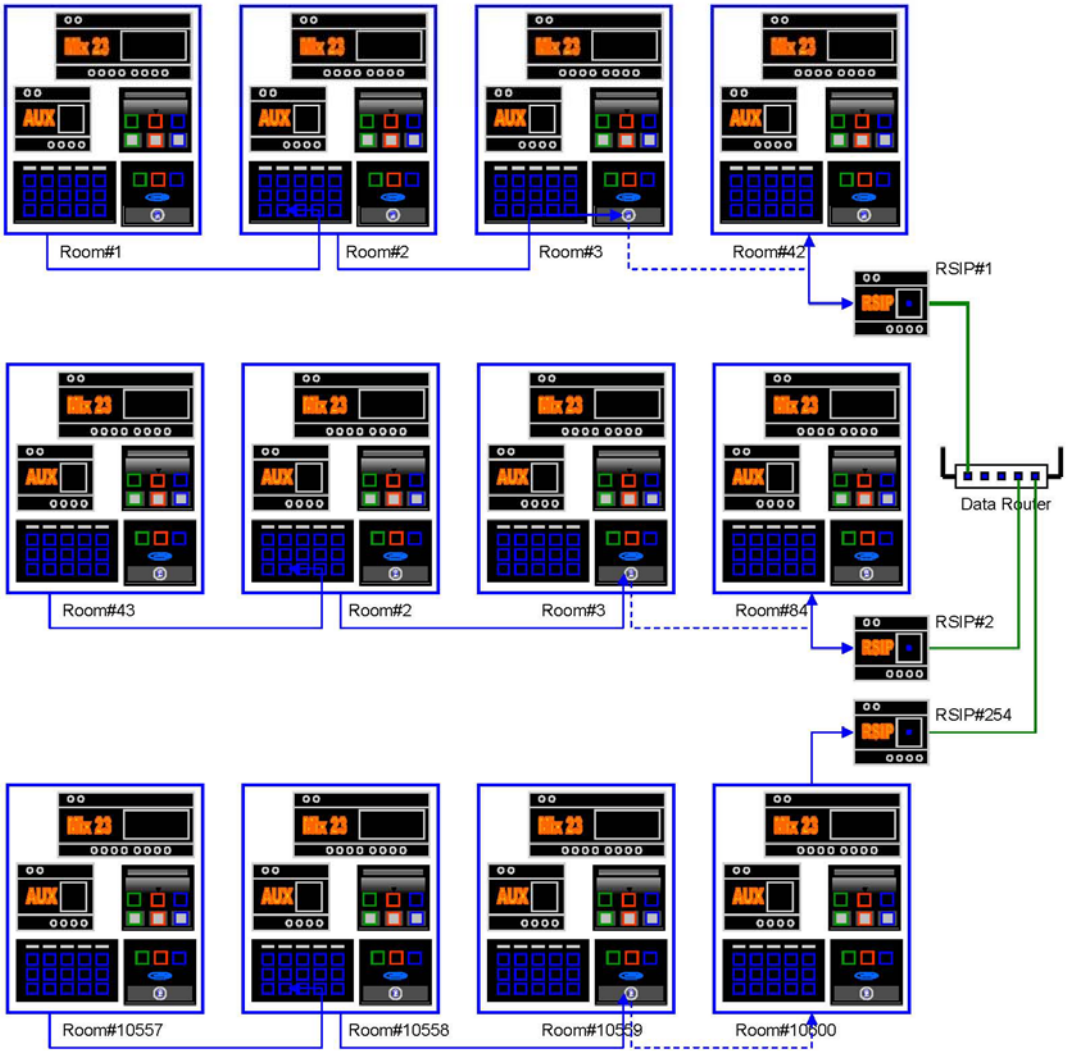


1.3 Multi-Room Networking

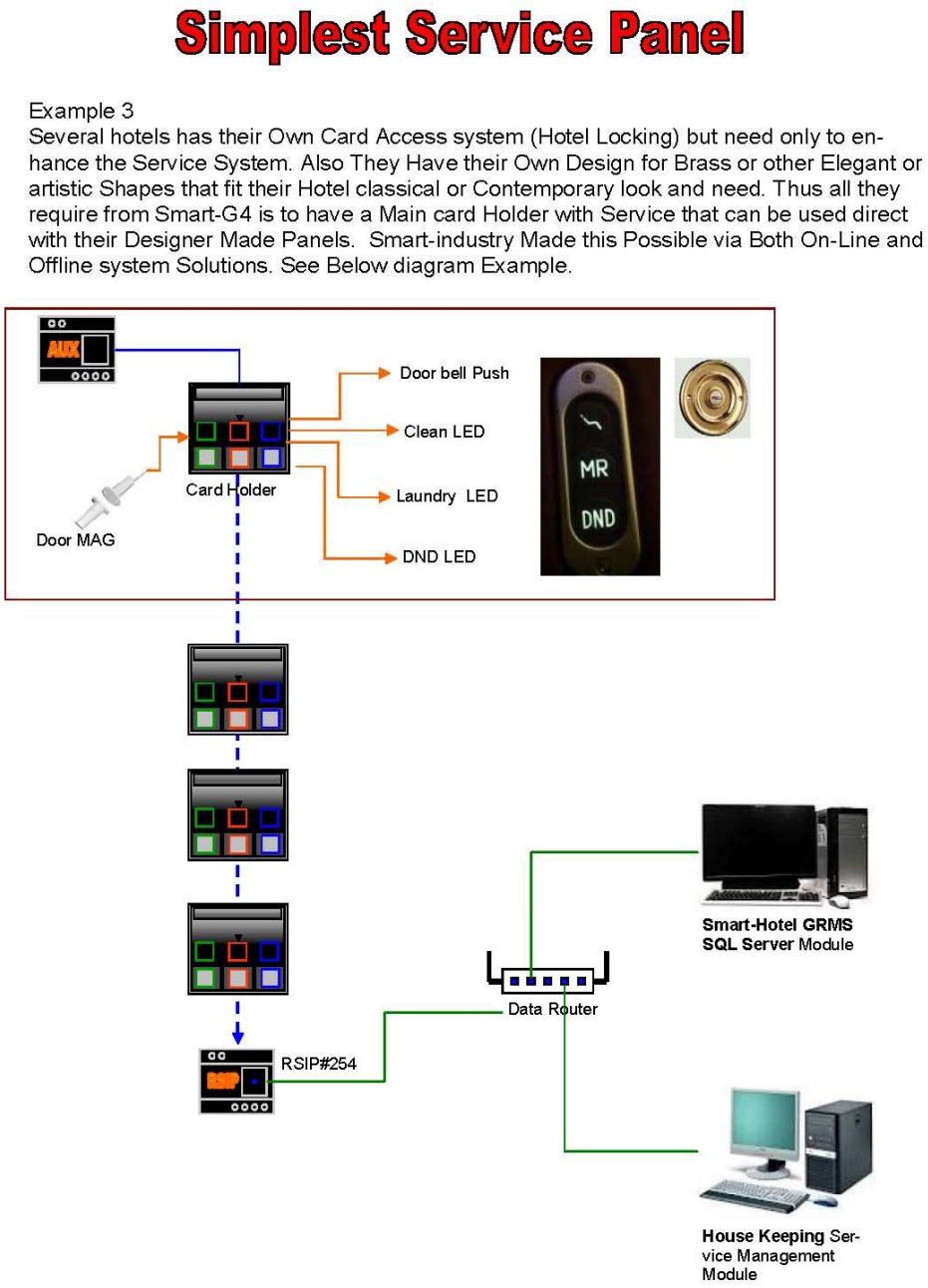
Multi-Room Networking

Example 1

Assuming That Each Room Has Typical 6 Devices: as below and Adding 1 DDP or 4 Button switch. This Means in a single Subnet we can have up to 42 Rooms without any need for Adding



1.4 Simplest Service Panel



2. Hotel Devices Introduction

SN	PIC	Device Name	Model#

1		Hotel Door Access	SB-3SBXS-WL
2		Hotel Card Holder with Service	SB-3SCARD-WL
3		Hotel Bedside	SB-BedSd-UN
4		Auxiliary Hotel Room Power Master	SB-HAux-WL
5		Hotel Card Encoder	SB-CardeRR-FL

6		Hotel Zone-Beast 23 port Mix Control Module (G4)	SB-ZMix23-DN

3. Cabling and Installation

Make sure the cabling and installation are ready, for the connection diagram, please check above **Smart-Hotel System instruction**

4. Prepare one Server

you need to have one server that is always run in 24 hours,

Here is the specification for the server:

SN	DESC	Specification
1	Server computer	OS: Microsoft windows server 2003 (recommended) or WINXP (for temporary needed) or WIN7 (for temporary needed) The server needs to be run in 24 hours every day, so the server must be stable. You can use your laptop with XP system as server for temporary needed.
2	MS SQL Server software	SQL Sever Version required: **MS SQL Server software 2000 personal edition** (this personal edition version can be installed on WINXP and WIN7 and windows Server 2003 system) (Recommended)

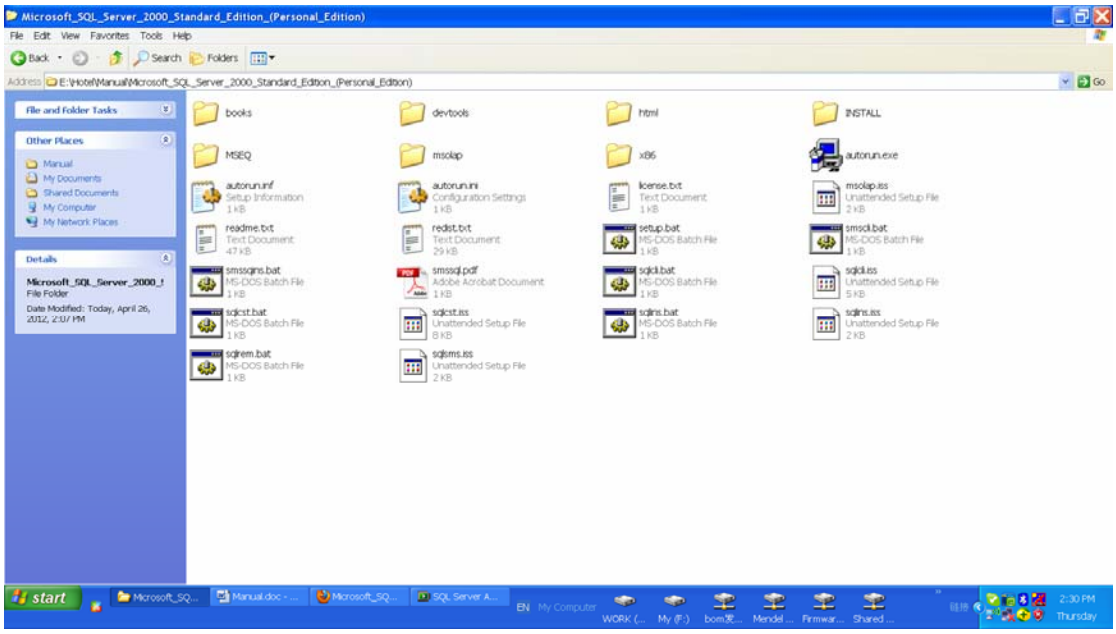
5. Install MS SQL Server 2000 Personal Edition Version on the Server

we recommended the version of MS SQL Server either MS SQL Server 2000 Personal edition to be installed on the server.

MS SQL Server 2000 Personal Edition Version is available from the link below:
http://www.4shared.com/rar/PNSmekRm/Microsoft_SQL_Server_2000_Pers.html

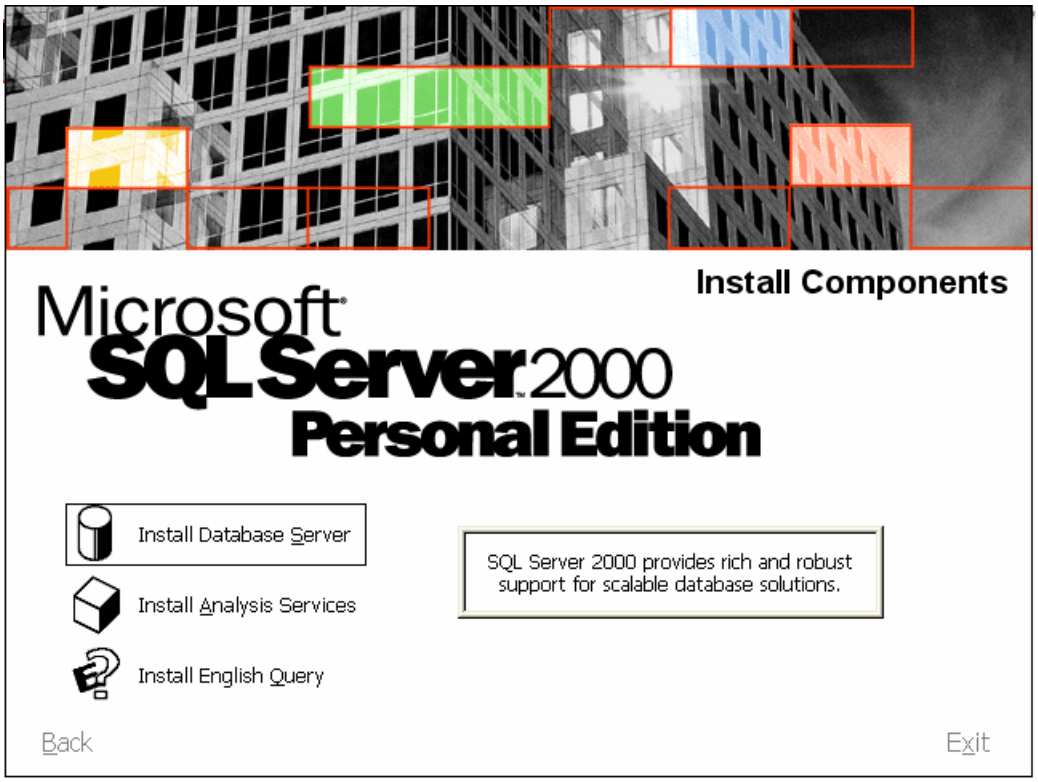
To download it, you need to have account of 4shared website, if you don't have it, just register for free.

After download it, start to install it

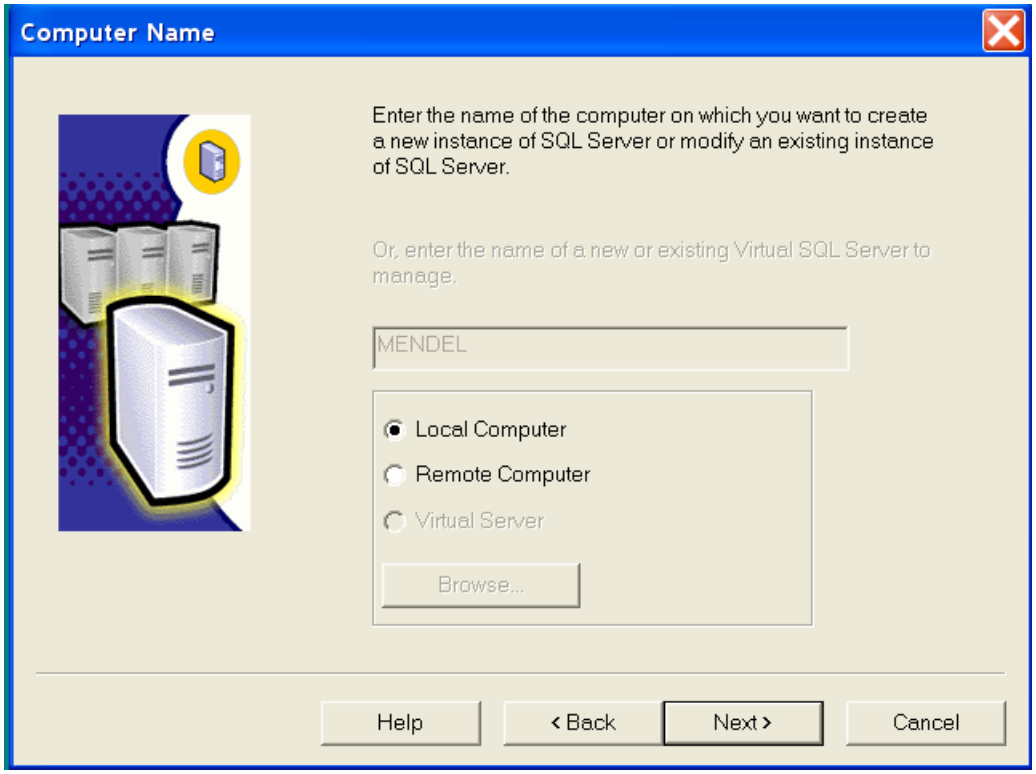


Double click to run the Autorun.exe, click **SQL Server 2000 components**

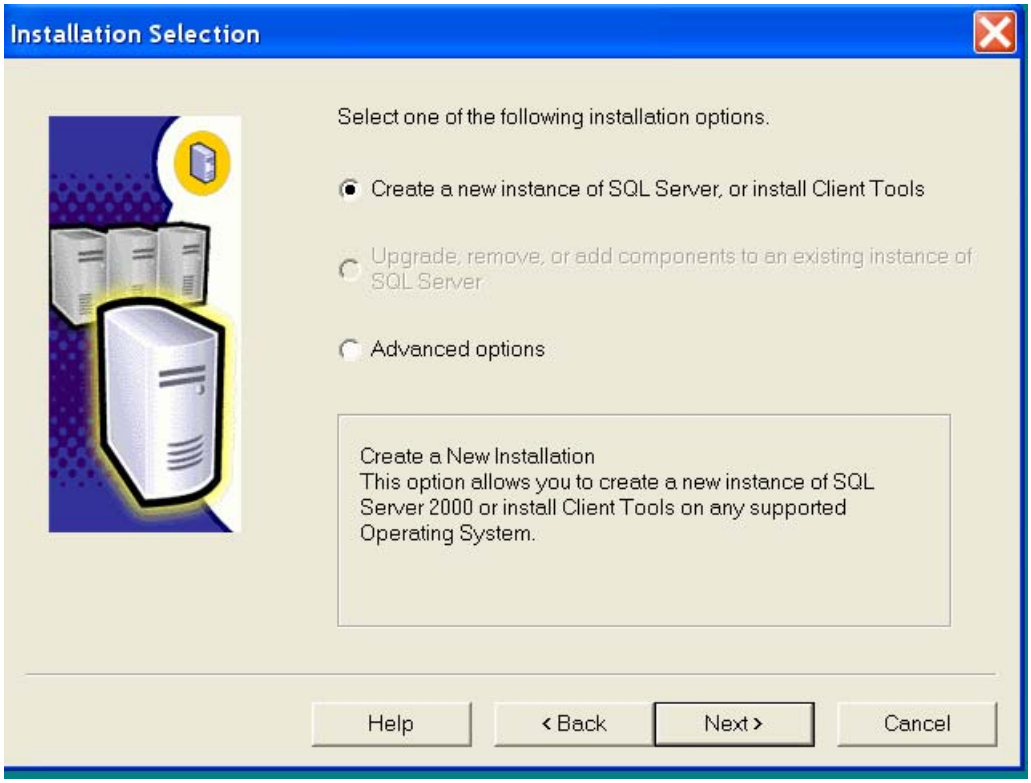
Click **Install Database Server**

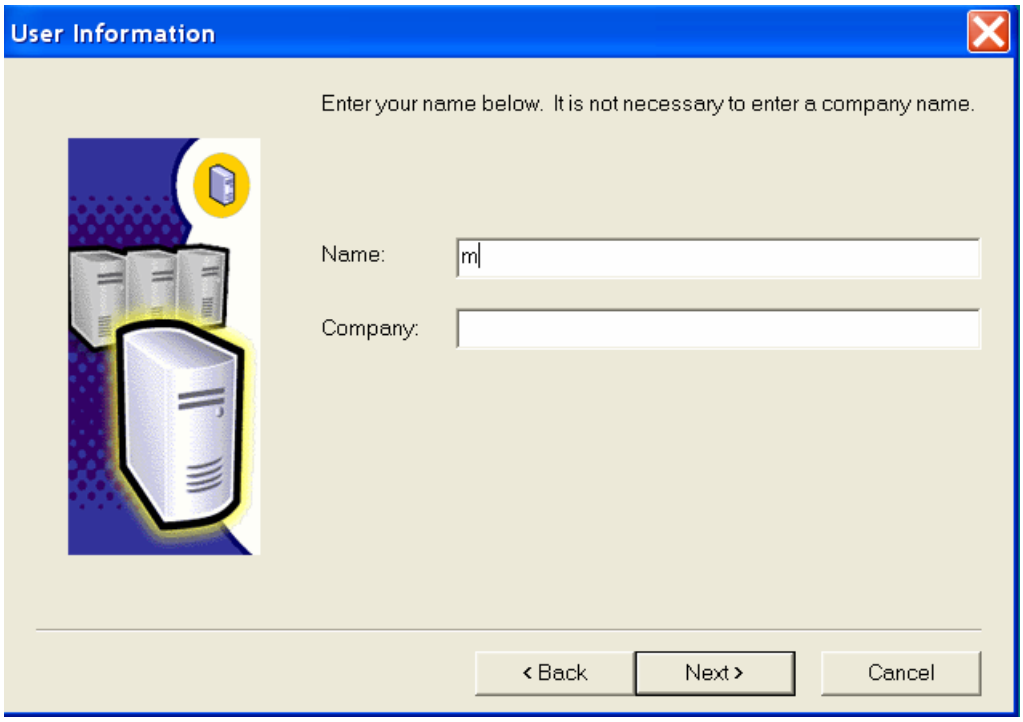


Select **Local Computer**

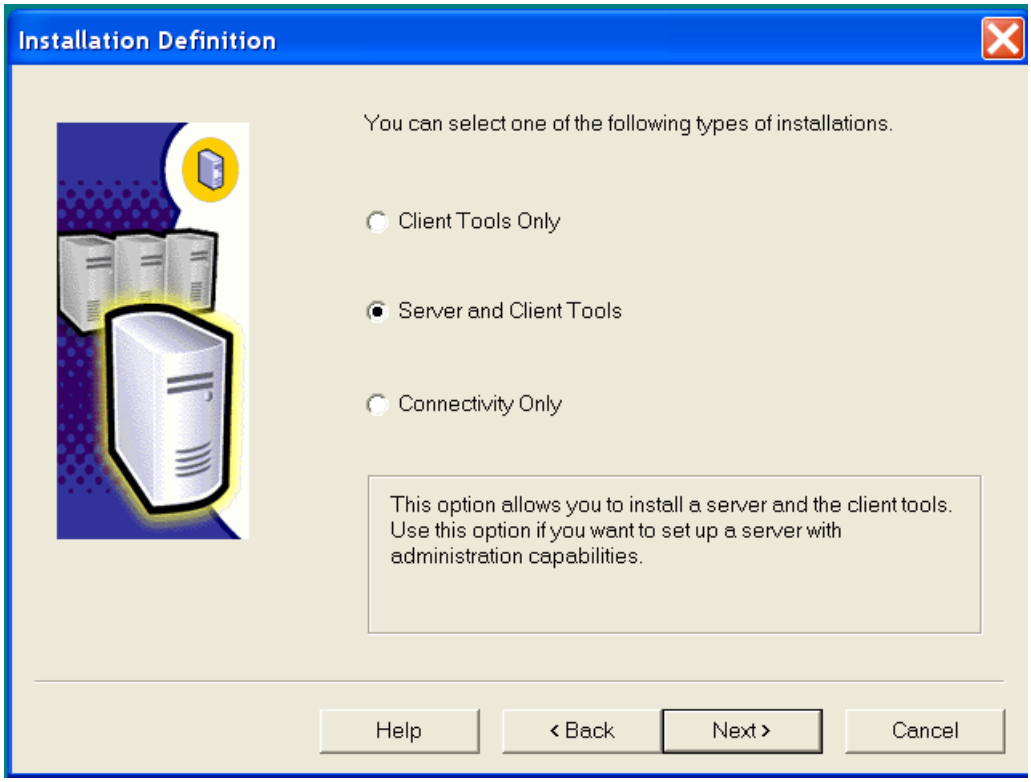


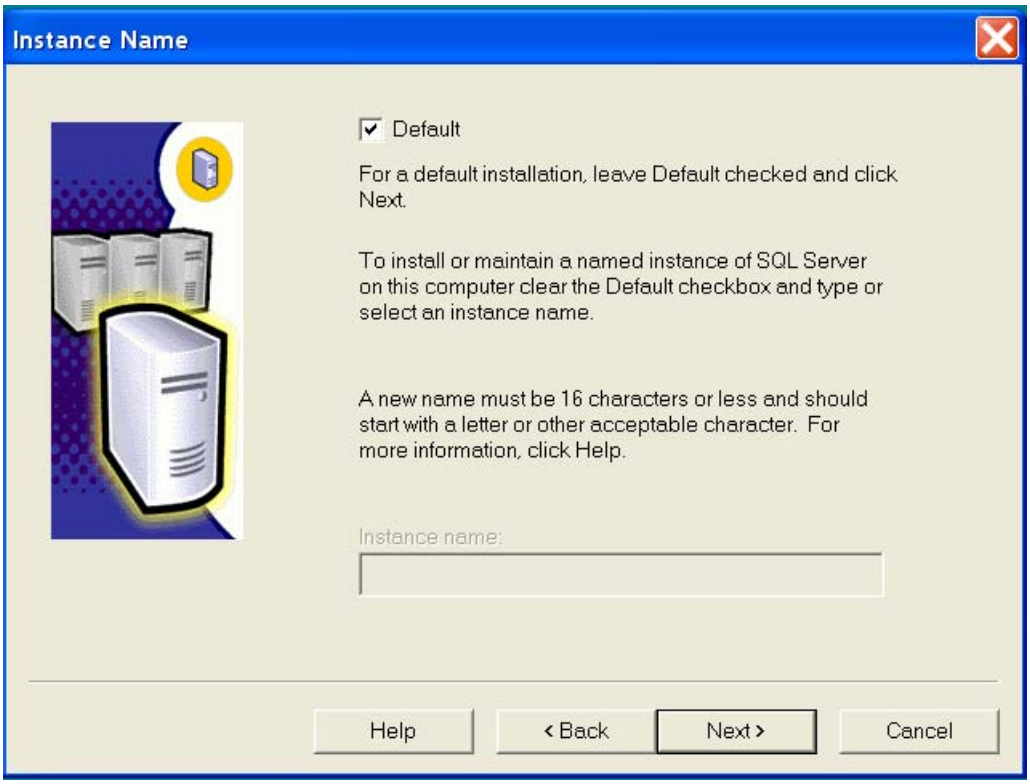
Select **create a new instance of SQL server, or install Client Tools**

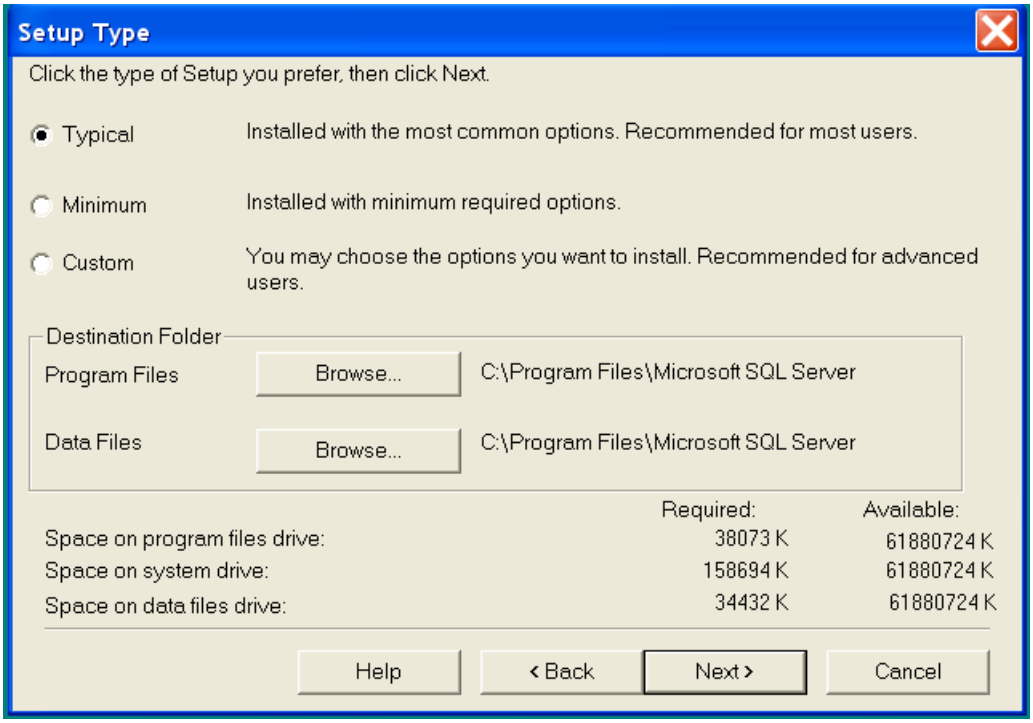




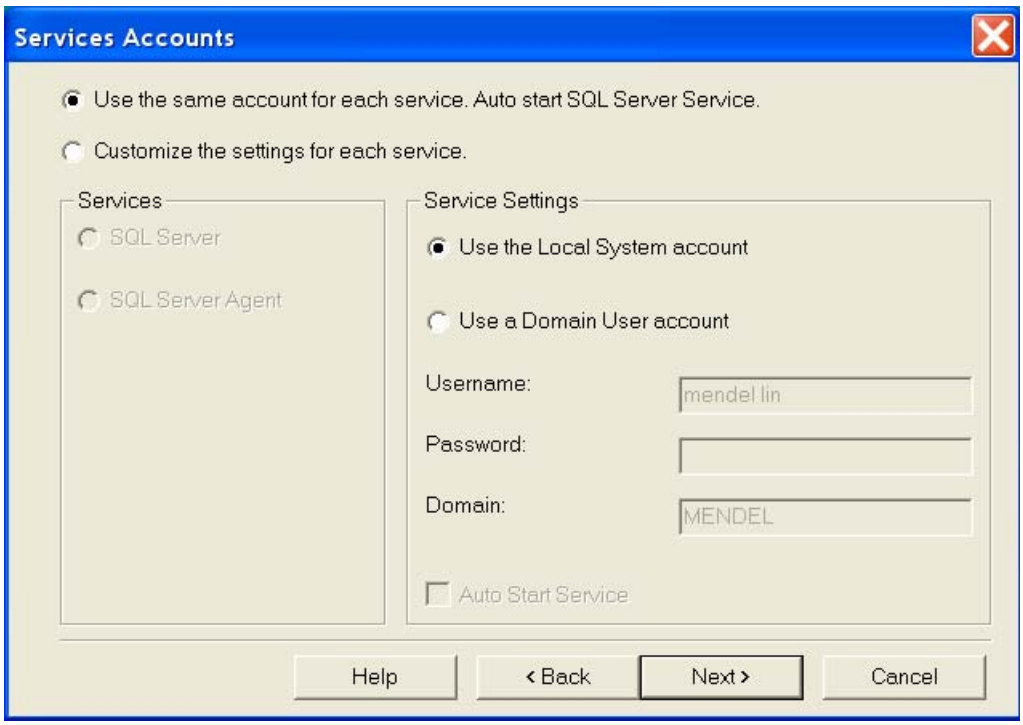
Select **Server and Client Tools**



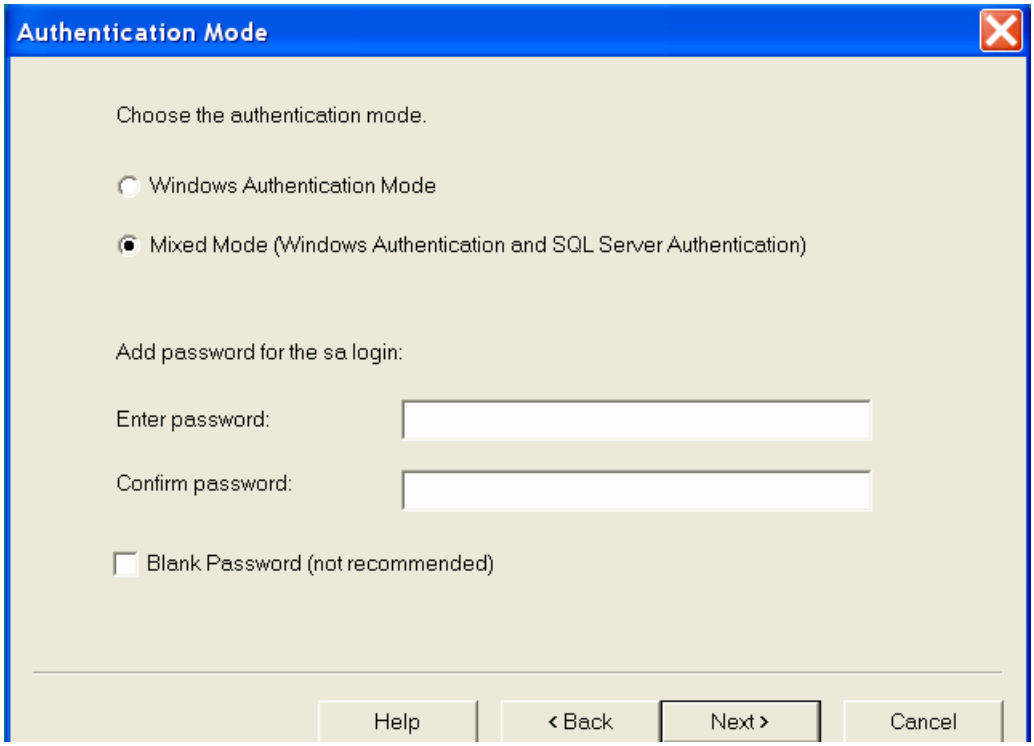

Instance Name
Default
For a default installation, leave Default checked and click Next.
To install or maintain a named instance of SQL Server on this computer clear the Default checkbox and type or select an instance name.
A new name must be 16 characters or less and should start with a letter or other acceptable character. For more information, click Help.
Instance name:
Help
< Back
Next >
Cancel


Setup Type
Click the type of Setup you prefer, then click Next.
Typical
Installed with the most common options. Recommended for most users.
Minimum
Installed with minimum required options.
Custom
You may choose the options you want to install. Recommended for advanced users.
Destination Folder
Program Files
Browse...
C:\Program Files\Microsoft SQL Server
Data Files
Browse...
C:\Program Files\Microsoft SQL Server
Required:
Available:
Space on program files drive:
38073 K
61880724 K
Space on system drive:
158694 K
61880724 K
Space on data files drive:
34432 K
61880724 K
Help
< Back
Next >
Cancel

Select **Use the Local System account**

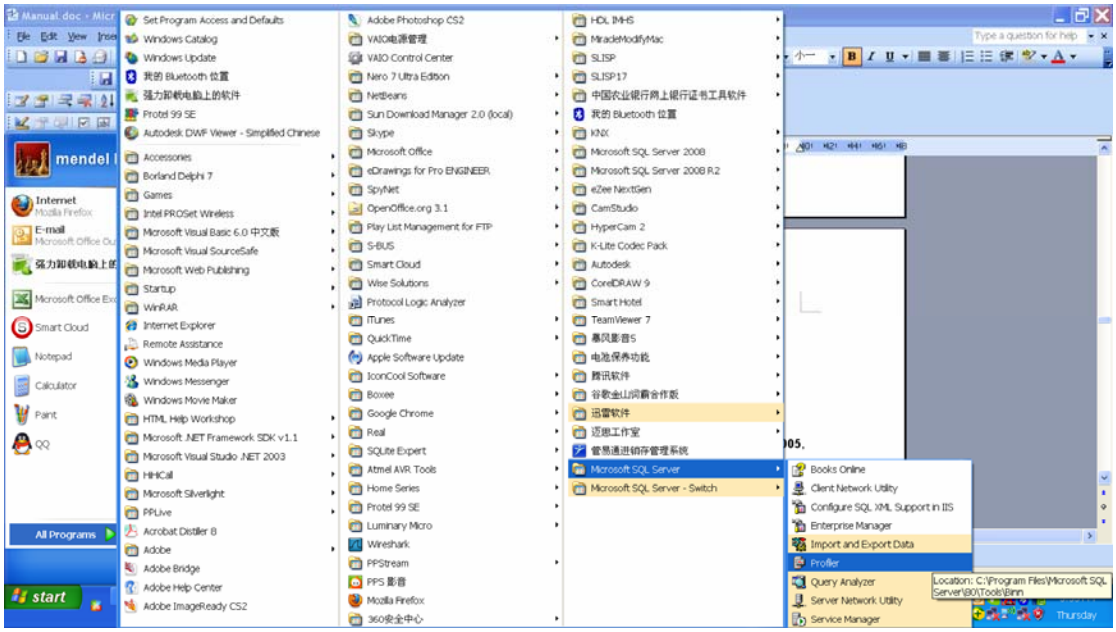


Select **Mixed Mode,** the username is sa, please type the password and remember it.



Then just click next unit it's done.

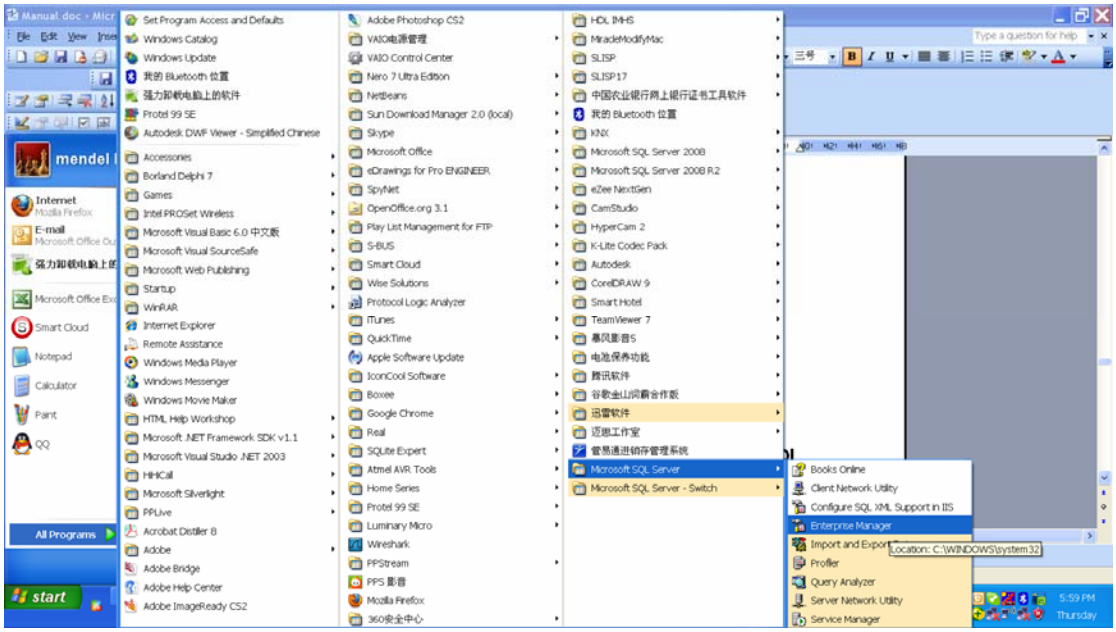
You can see Microsoft SQL Server from the start menu after the installation is complete.

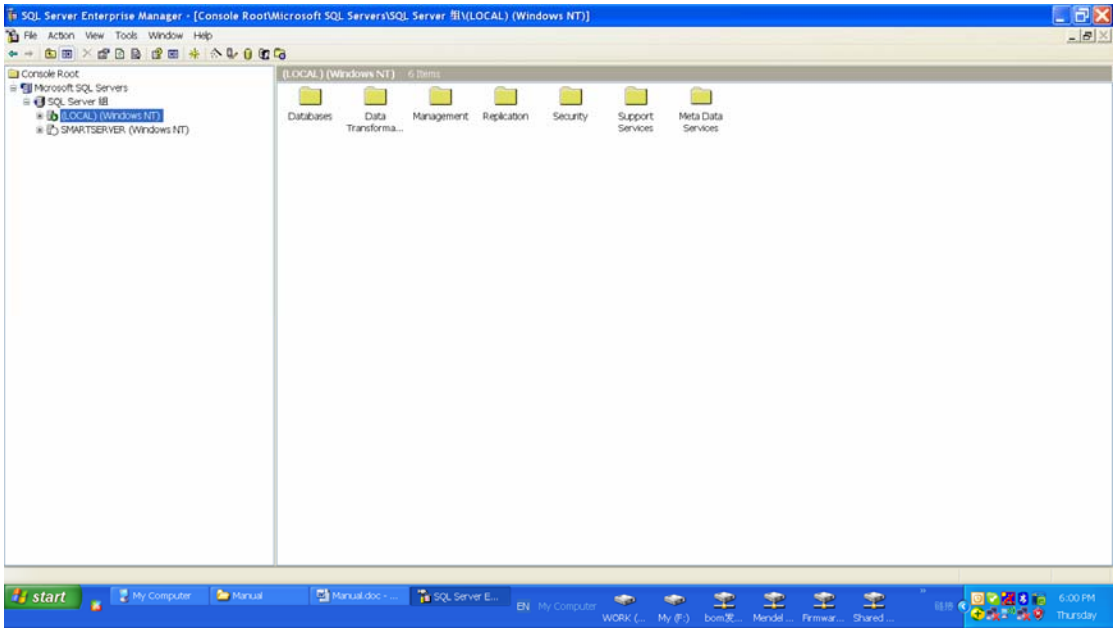


6. Create SmartHotel Database on SQL Server

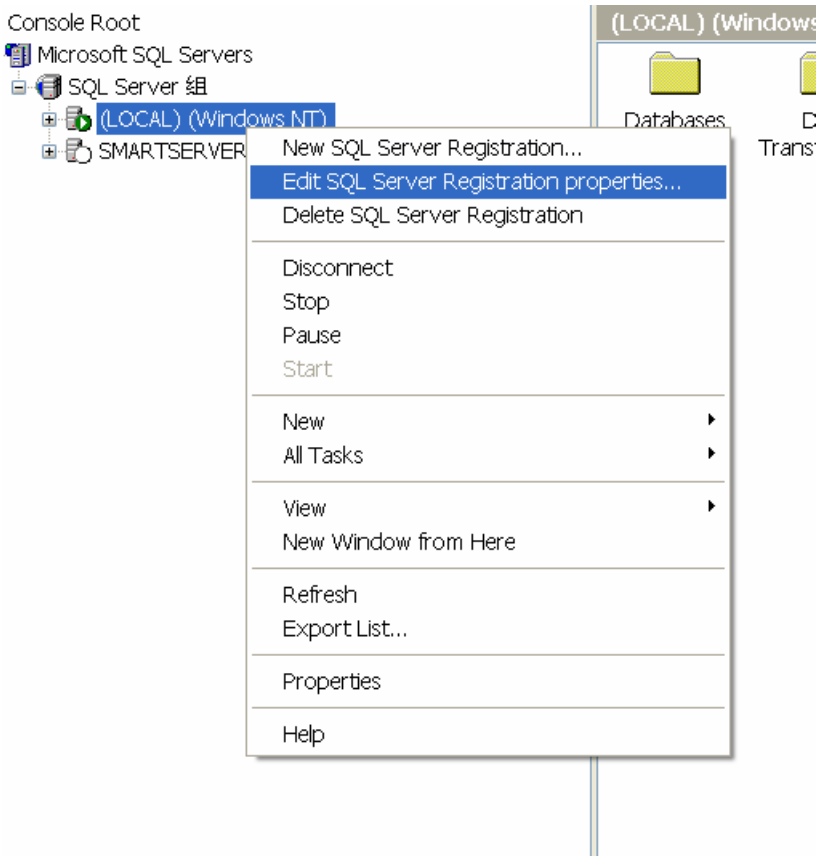
Important Hint: if you don't have SmartHotel database on your SQL server, you need to create it by following step; But if you have already had it, please do not delete you own SmartHotel database and restore the new database. If did that, all your data will be lost.

Start Menu-> All Programs -> Microsoft SQL Server, Click **Enterprise Manager**

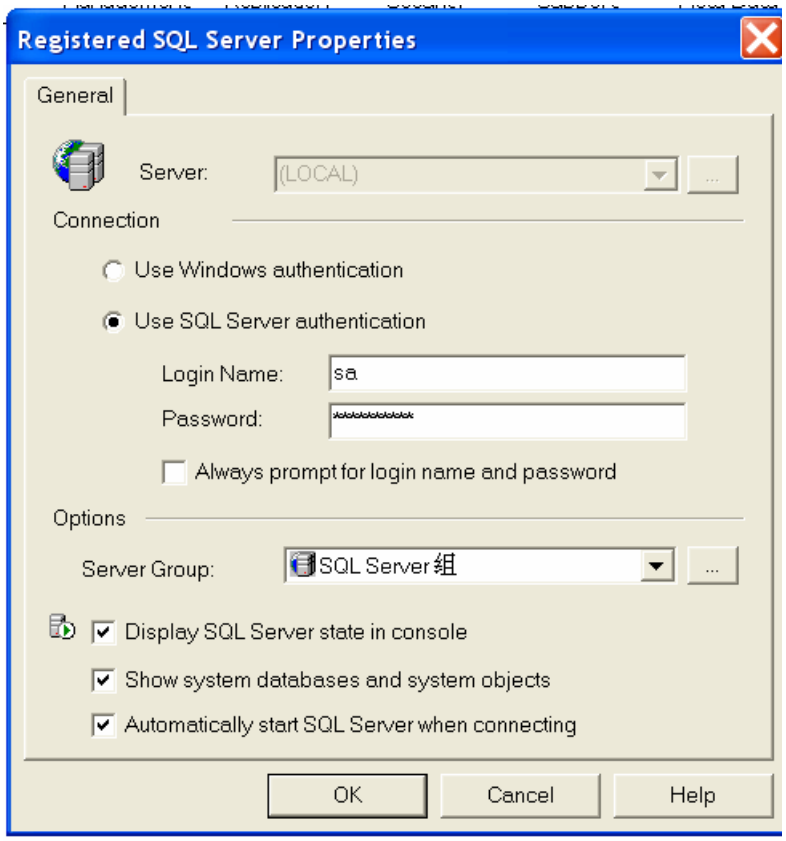




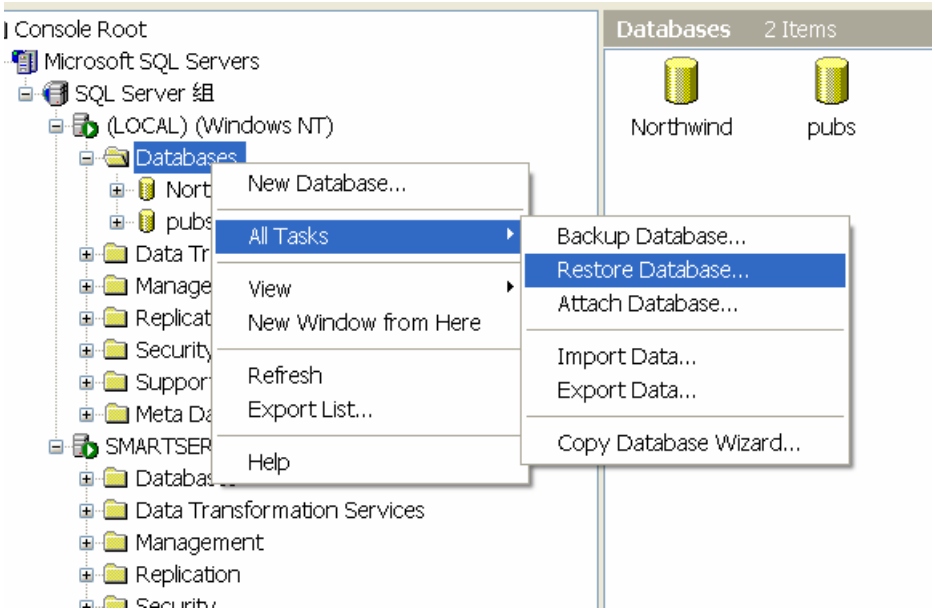
Right Click **(Local)**, Click **Edit SQL Server Registration Properties**



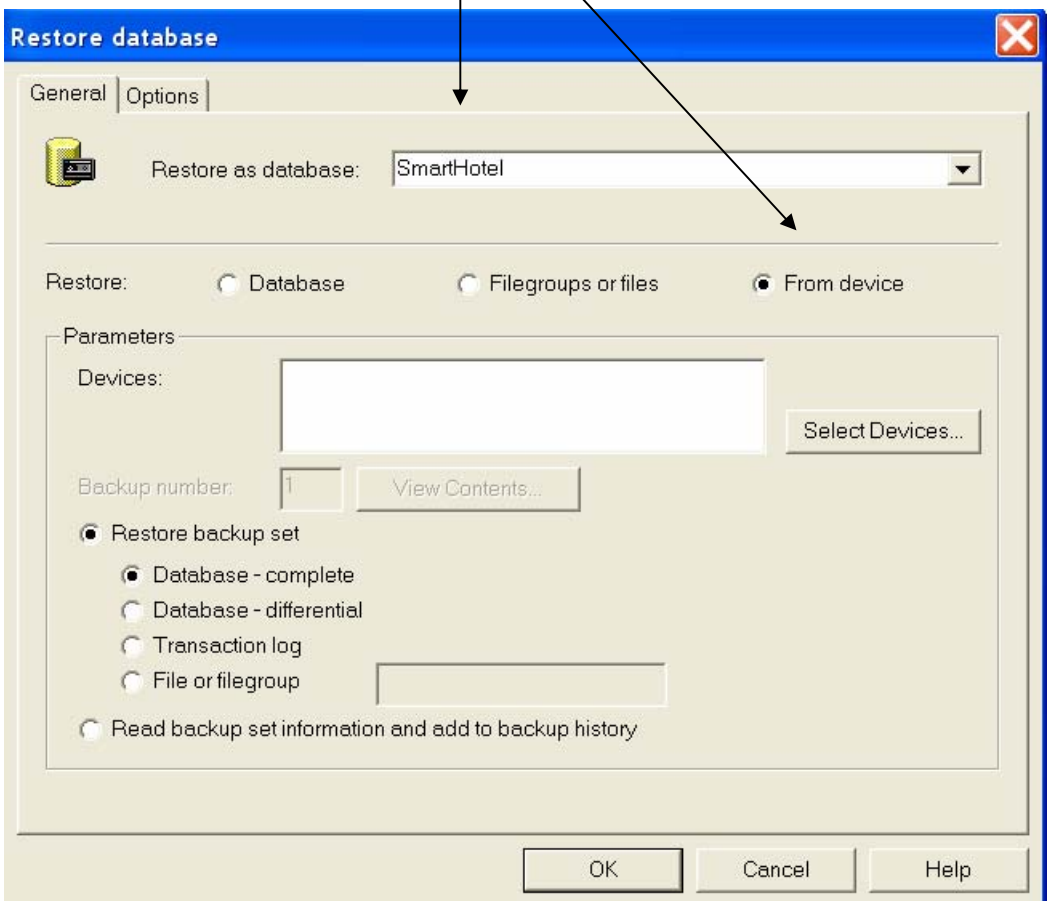
Type the username and password as below, then click button **OK** to connect SQL Server

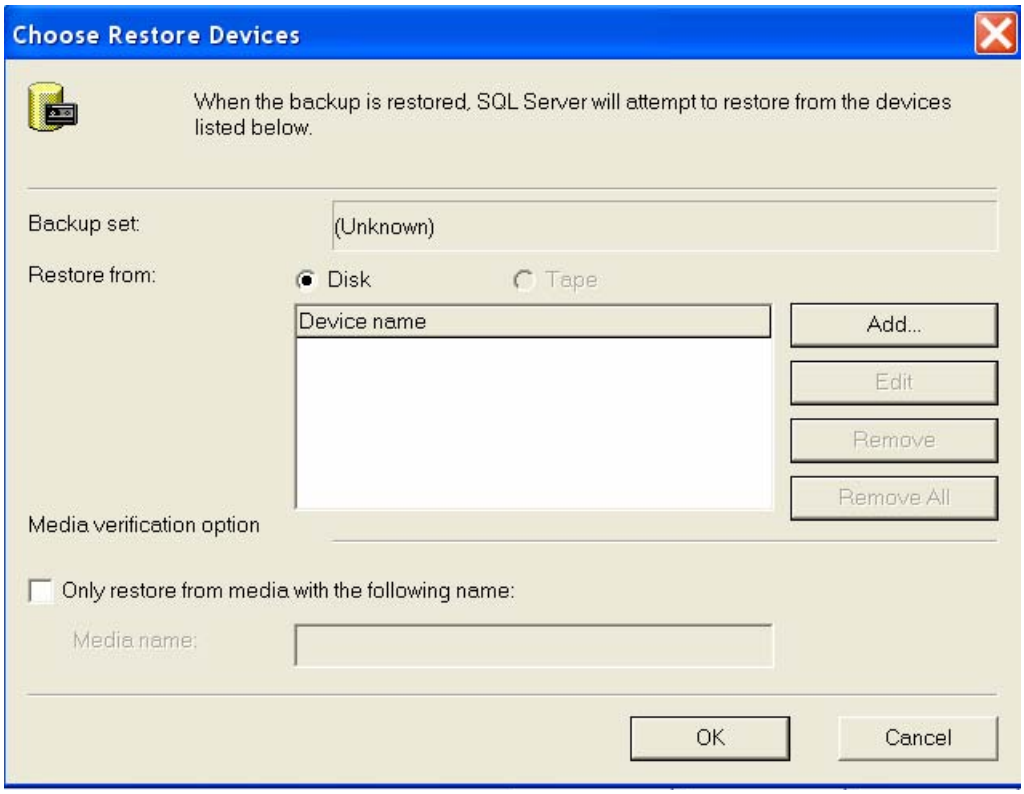


Right Click **Databases -> All Tasks -> Restore Database**

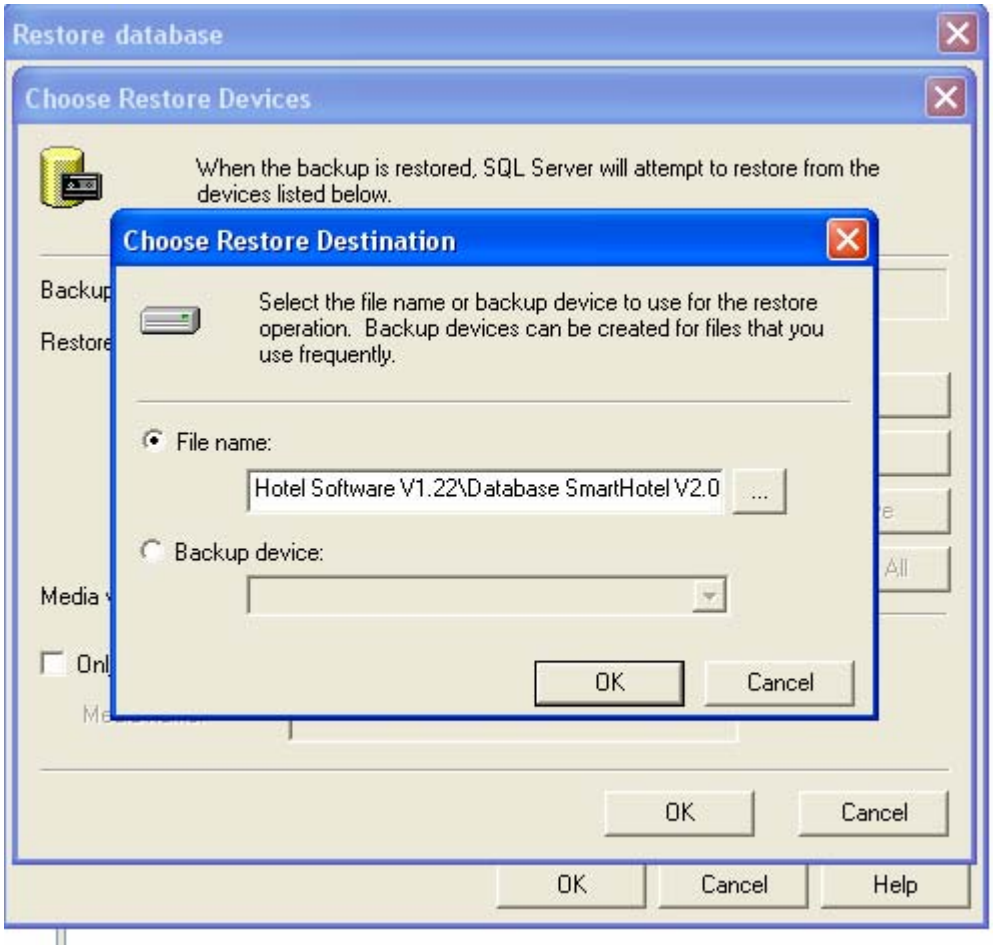


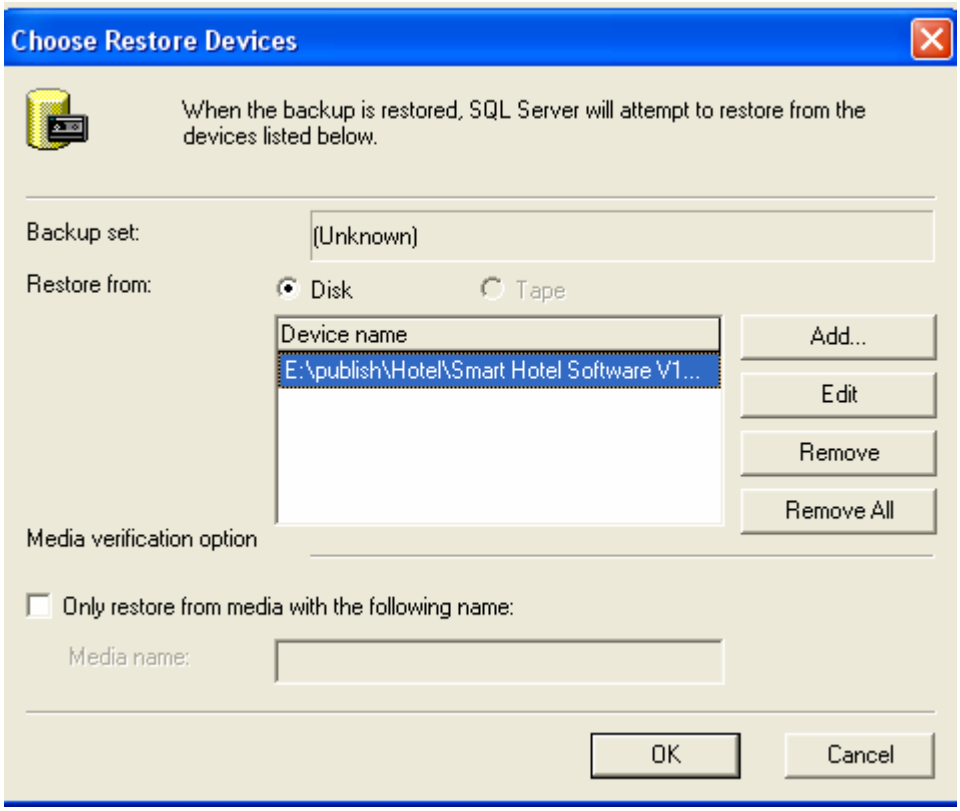
Type the database name: **SmartHotel**
Choose **from Device** as below
then Click button **Select Devices**



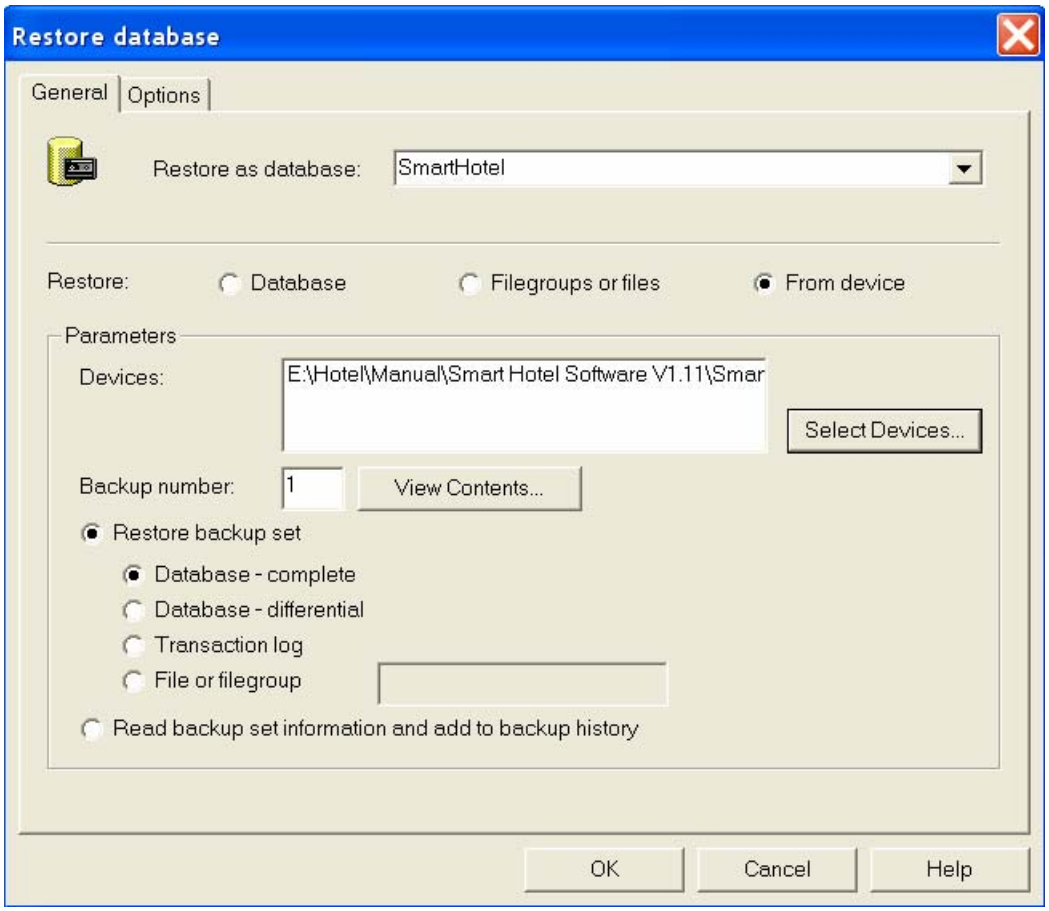


Click button **Add** above, and choose the database file: Smart Hotel Database for MS SQL Server 2000, and click the button **OK**

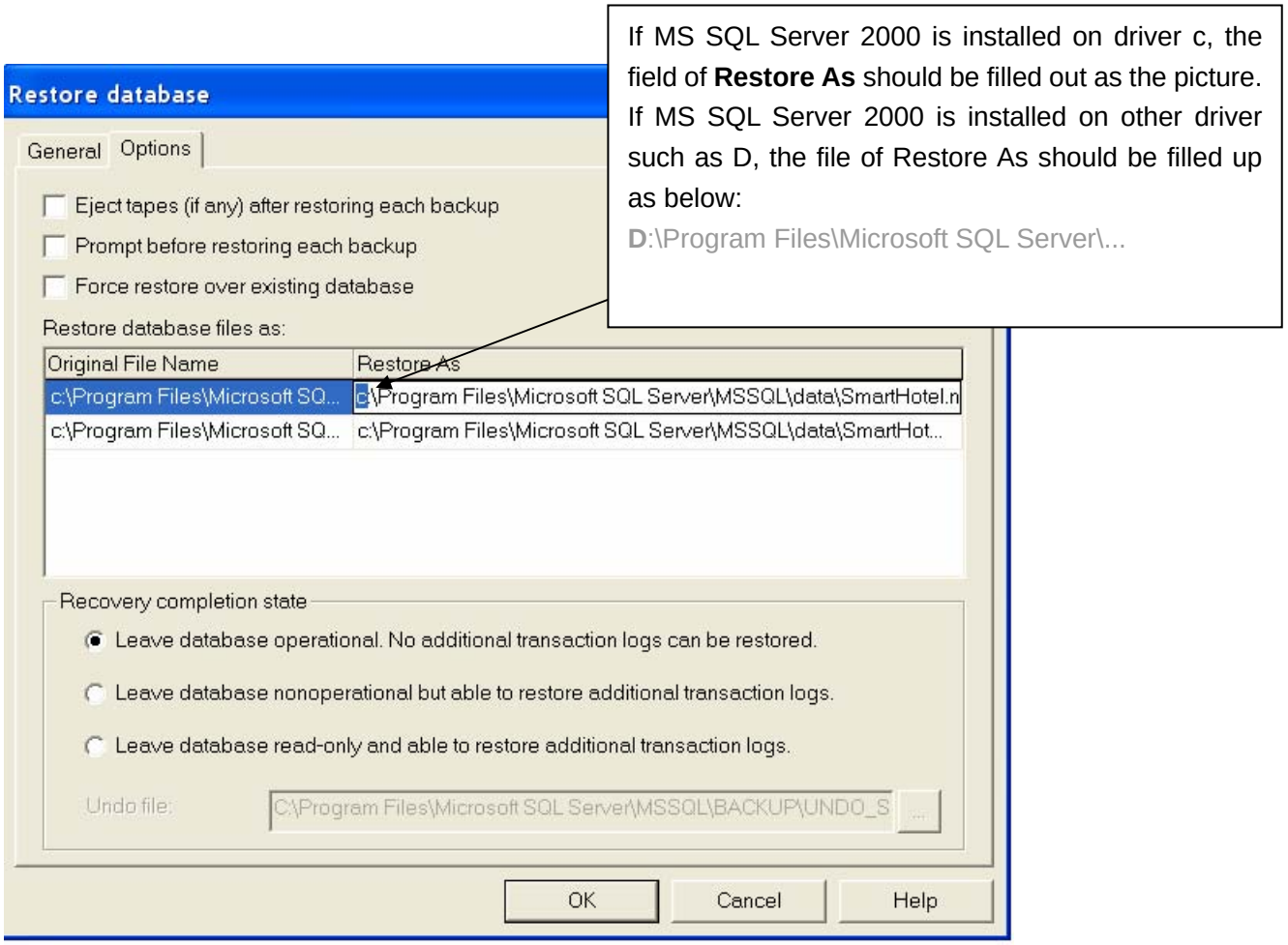




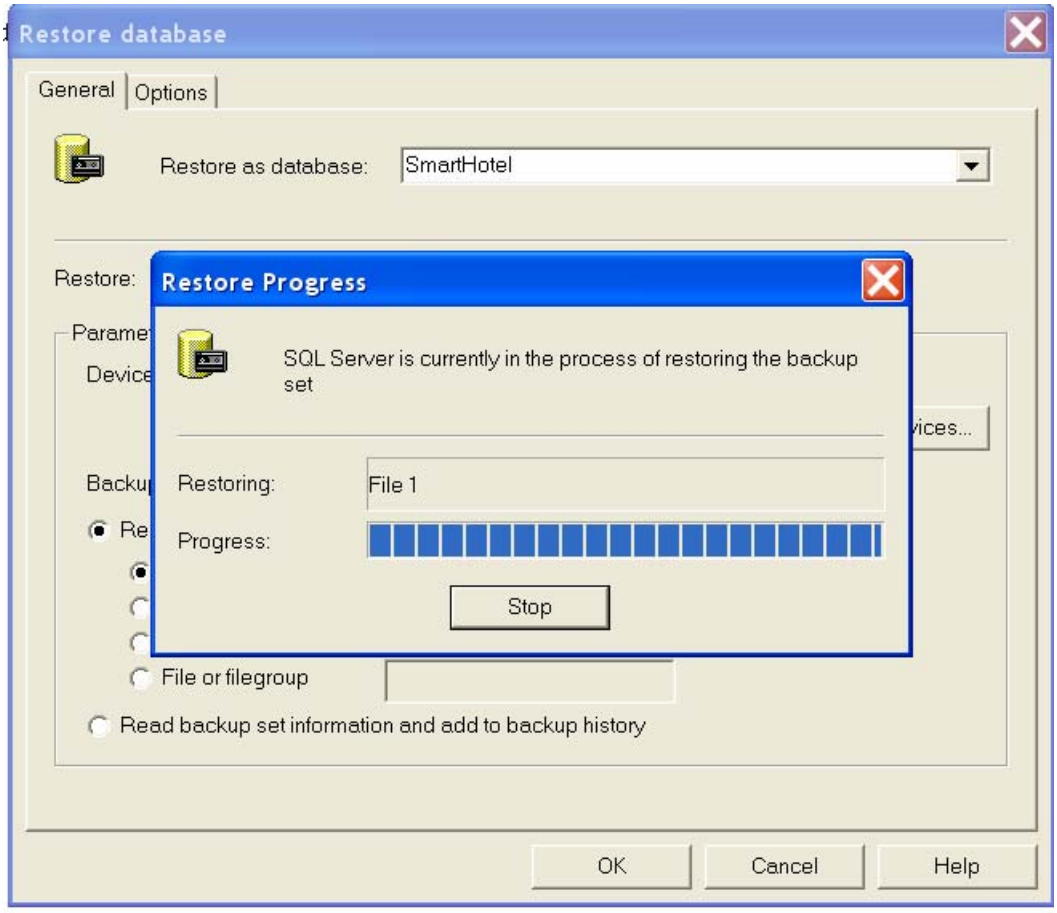
Click the button **OK** above

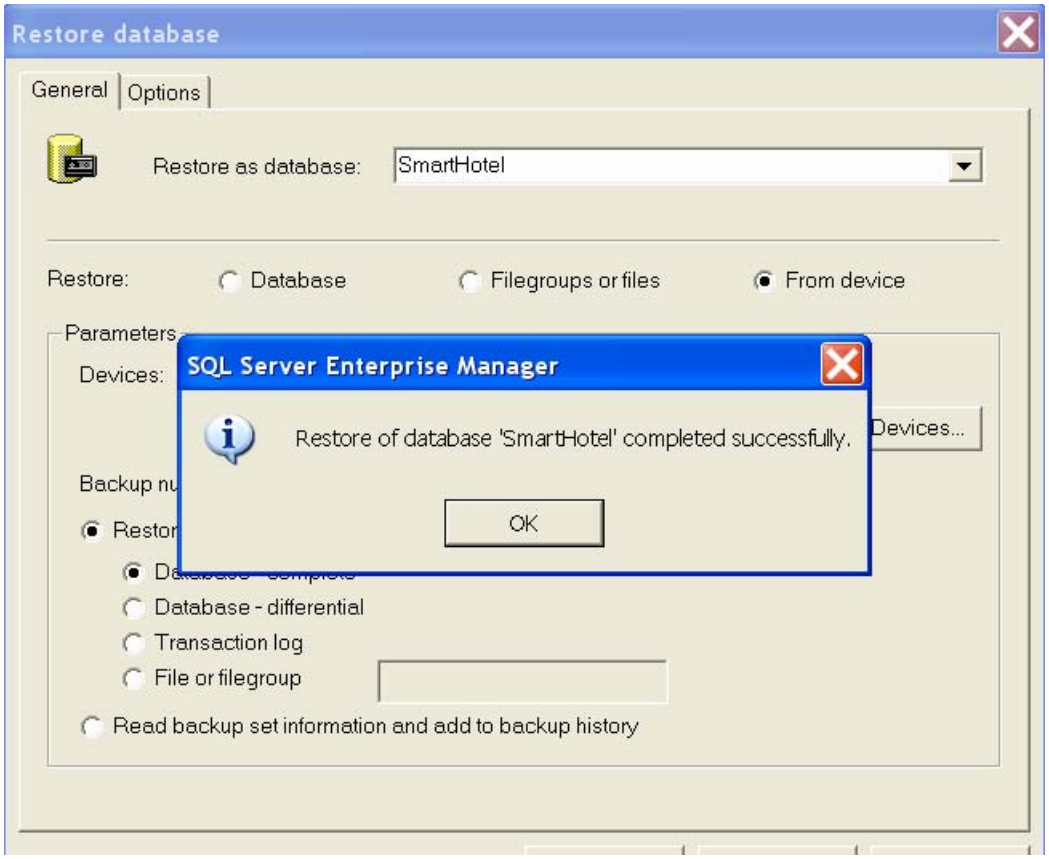


Select the tab **Options**

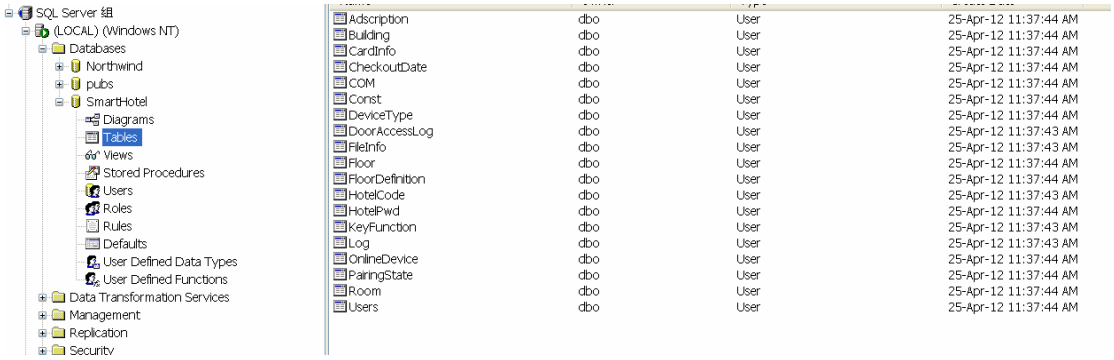


Then Press **OK** Button


Restore database
General
Options
Restore as database:
SmartHotel
Restore:
Restore Progress
SQL Server is currently in the process of restoring the backup set
Restoring:
File 1
Progress:
Stop
File or filegroup
Read backup set information and add to backup history
OK
Cancel
Help



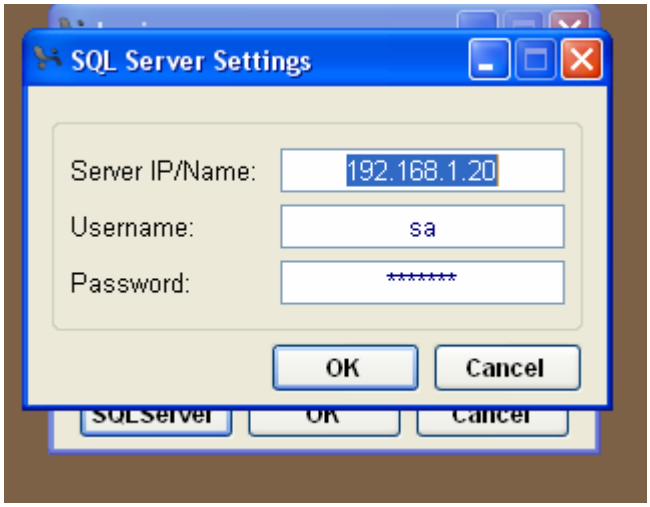
It will show SmartHotel database as below after successfully restore database.



7.Get started to run Smart Hotel Software

The default username is admin, Password: admin

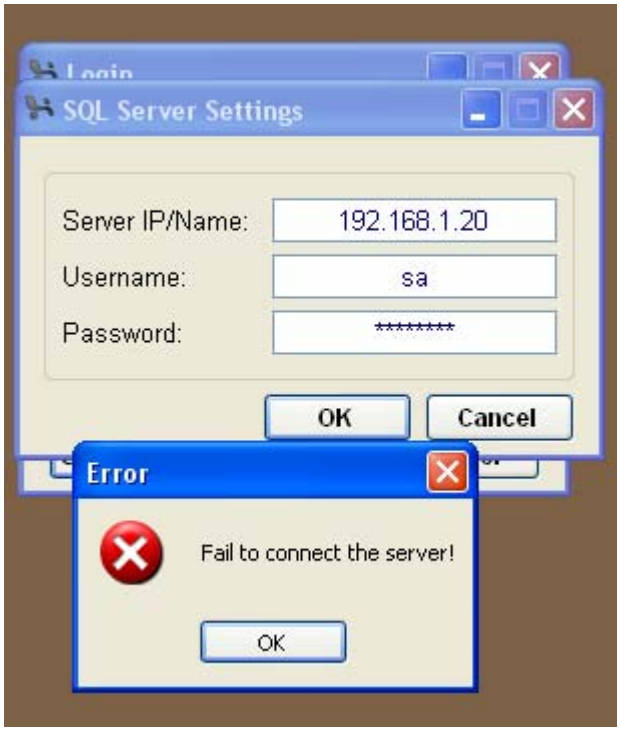
when you first time run this software, or press CTRL+SHIFT+F12 together, the following screen will be displayed:



Above screen is for SQL Server Settings,
Server IP and username and password are required.
Username & password is for SQL Server,
after fill out the database as above, click button OK.

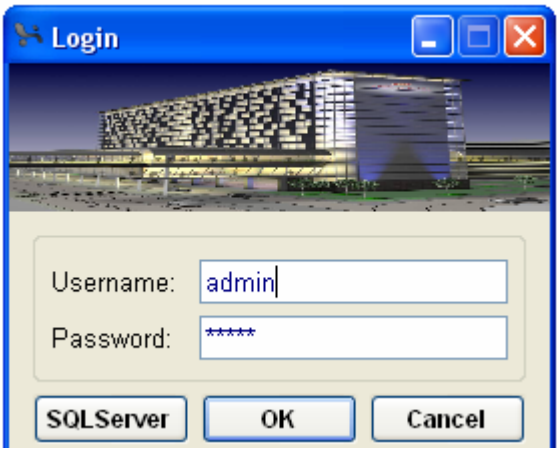
If it's successful, it will show the screen below

If it fails, the follow screen will be showed:



After you have successfully configured the SQL Server, the SQL Server Settings Page will not show again, if you would like to change the SQL Server settings, there is one way to do that.

In Login Page, Press key **CTRL+Shift+F12** together, the button **SQL Server** will be showed as below:



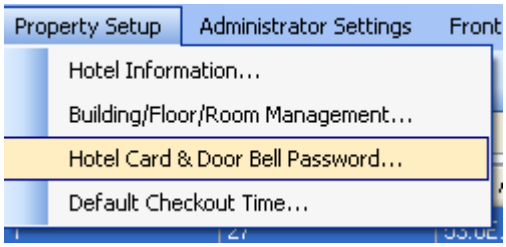
Then you just click the button **SQLServer** to go to SQL Server Settings Page.

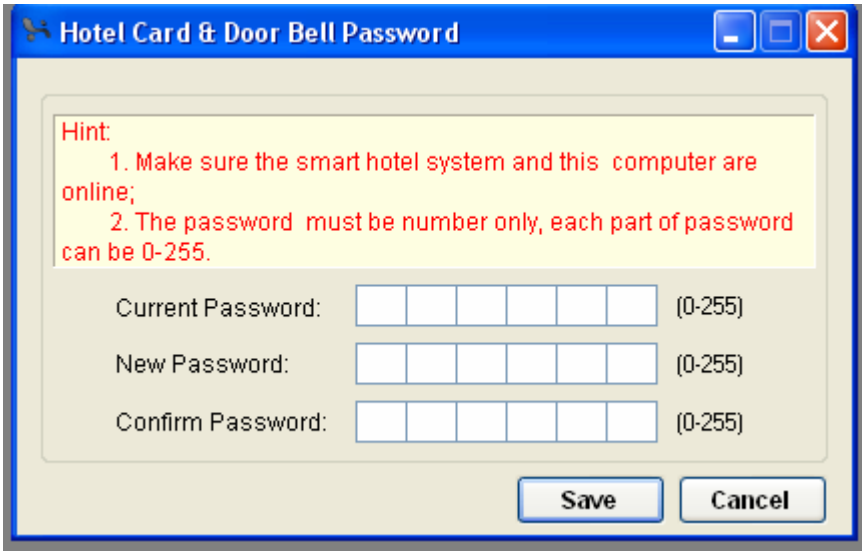
8. Password of Philips MIFAIRE RF Card and Hotel Door Access

the system requires Philips MIFARE RF Card; the model # of card can be Philips S50 and S70 both.
MIFARE RF card and hotel card access device both has password and need to set same password so that the RF card can open the door.

The password is taking 6 bytes, each byte can be set 0 ~ 255,
The factory default password of MIFARE RF card is 255 255 255 255 255 255
The factory default password of Hotel Card Access device is also 255 255 255 255 255 255

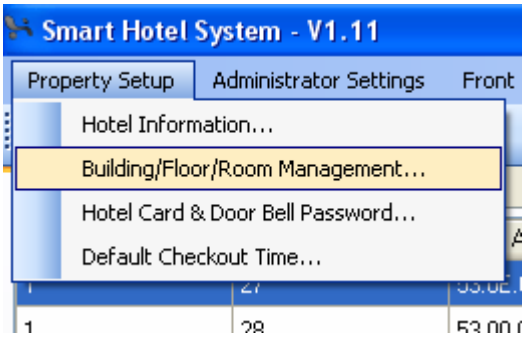
When you are going to change the password, Please make sure all hotel door access device are online.
Here is the screen for changing password of both RF card and Hotel Door Access Device.
Menu **Property Setup -> Hotel Card & Door Bell Password**





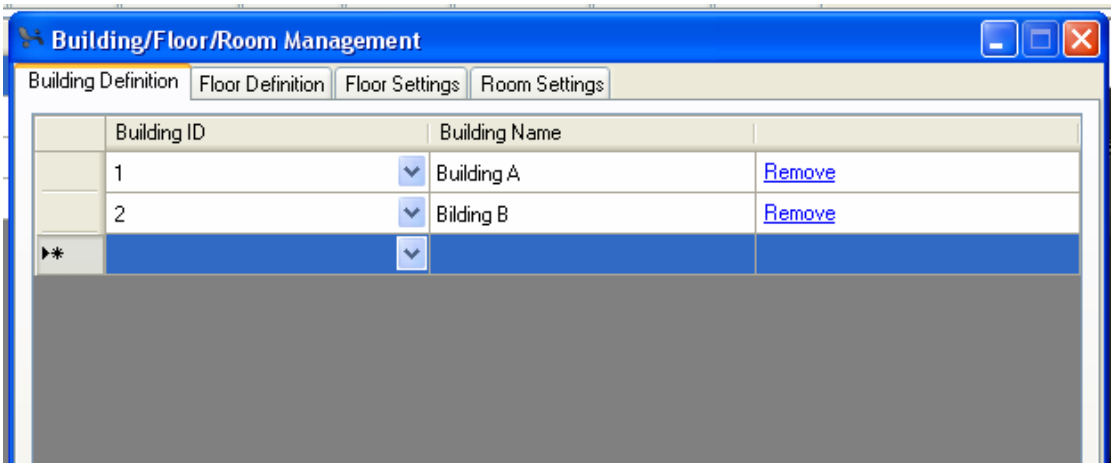
9. Building, Floor, Room Settings

Menu **Property Setup -> Building/Floor/Room Management**



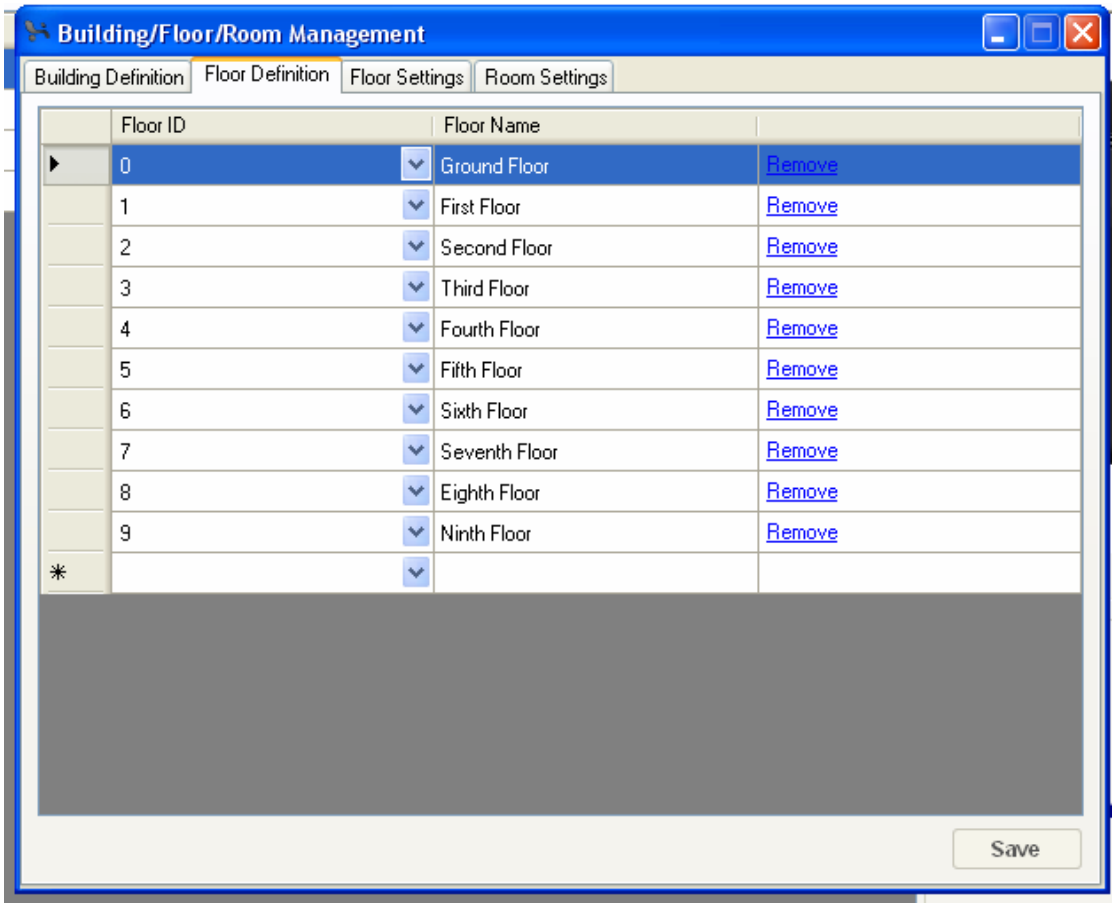
Building Settings

if the hotel has more than one building, you can add the building.
Building # is up to 255.



Floor Definition

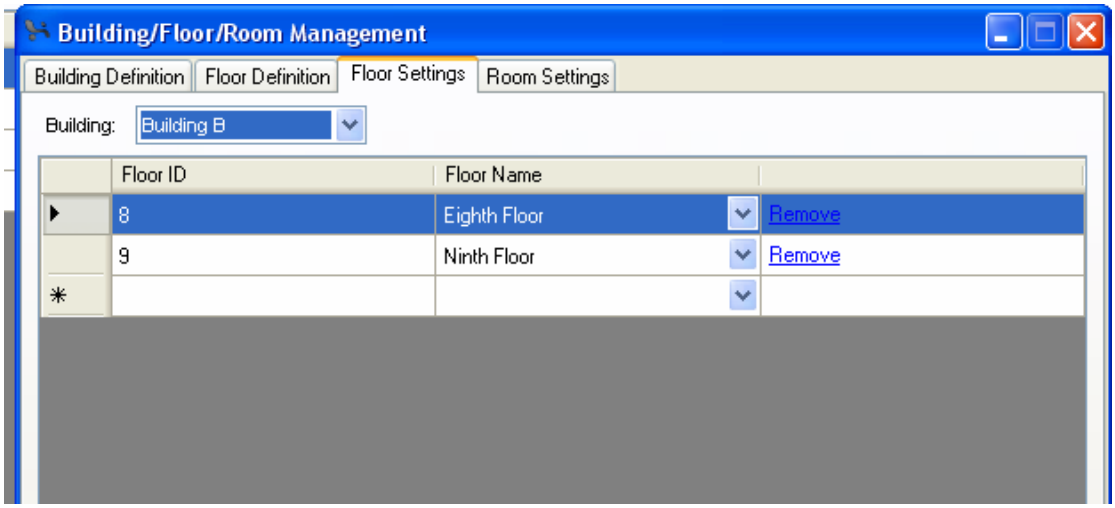
Define all the floor name as needed, floor # is up to 255



Floor Settings

what floors you have in the building?

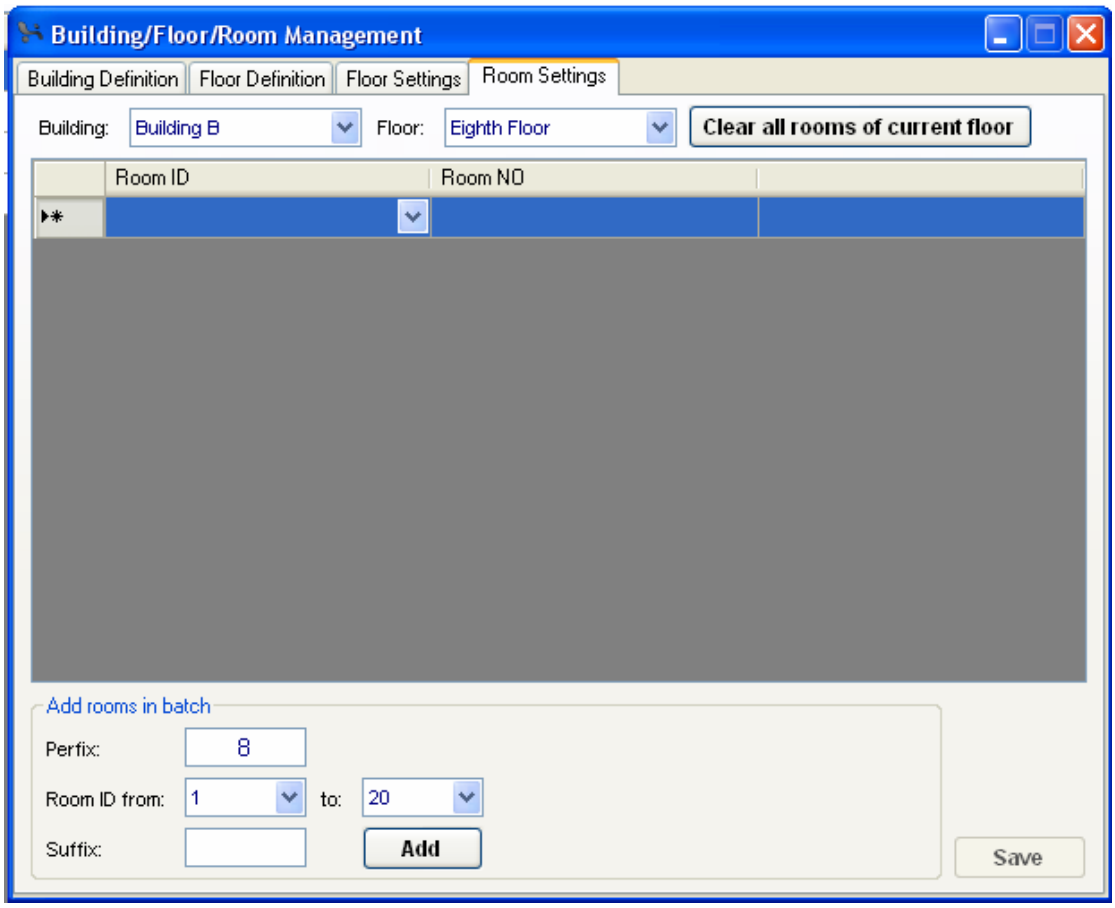
Go to tab **Floor Settings,** choose the Floor ID,Floor Name, Click button Save after it's done.



Room Settings

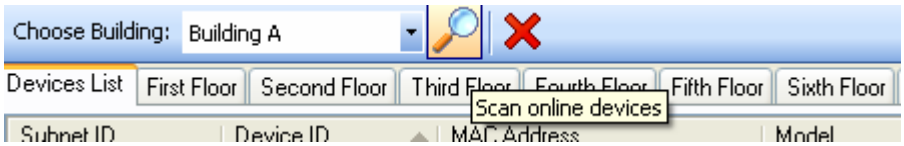
what are the room No in each floor?

Choose the building and floor, then you can go add the room# you need in batch.

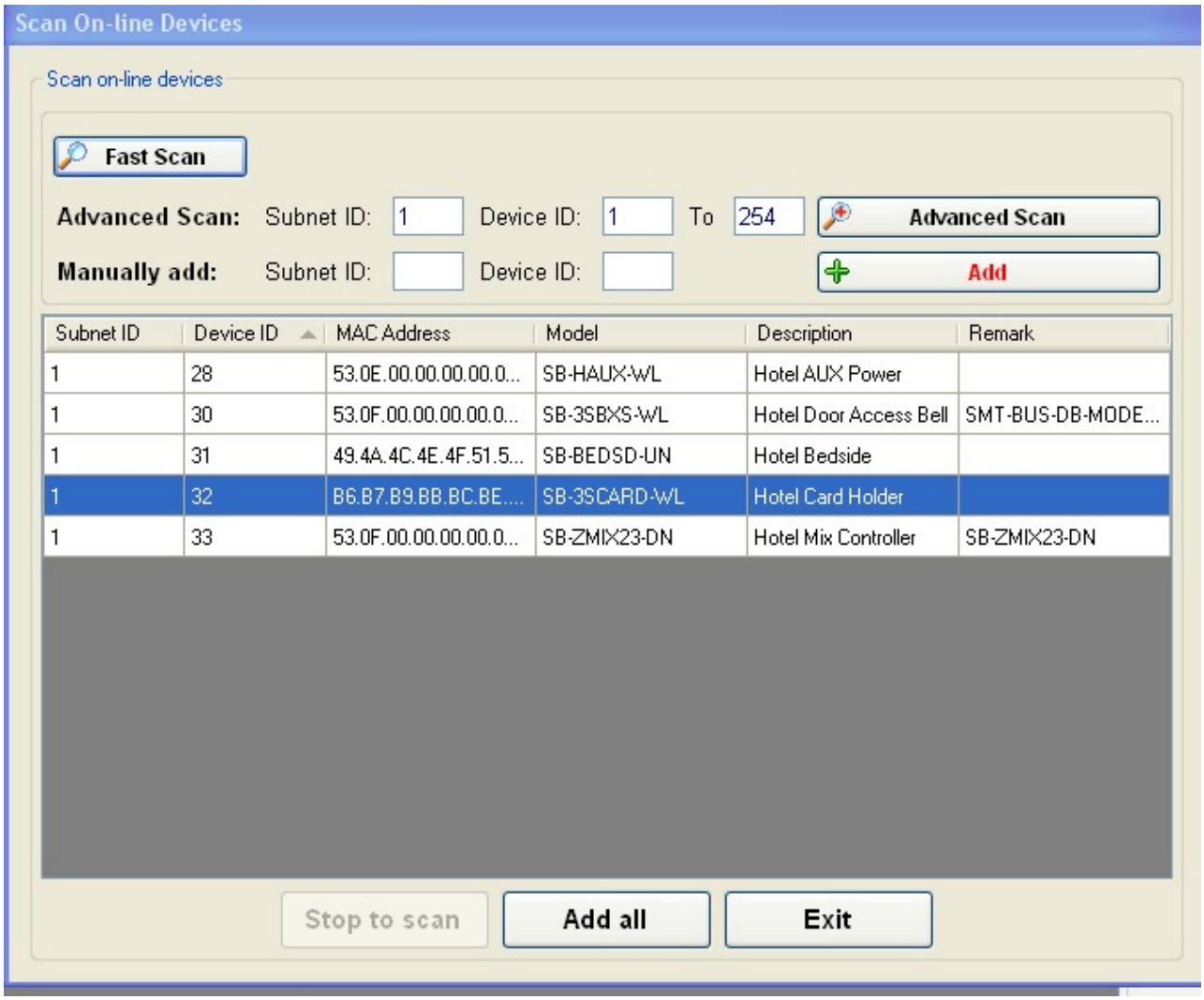


10. Scan all online devices

Click the scan button on the toolbar as below

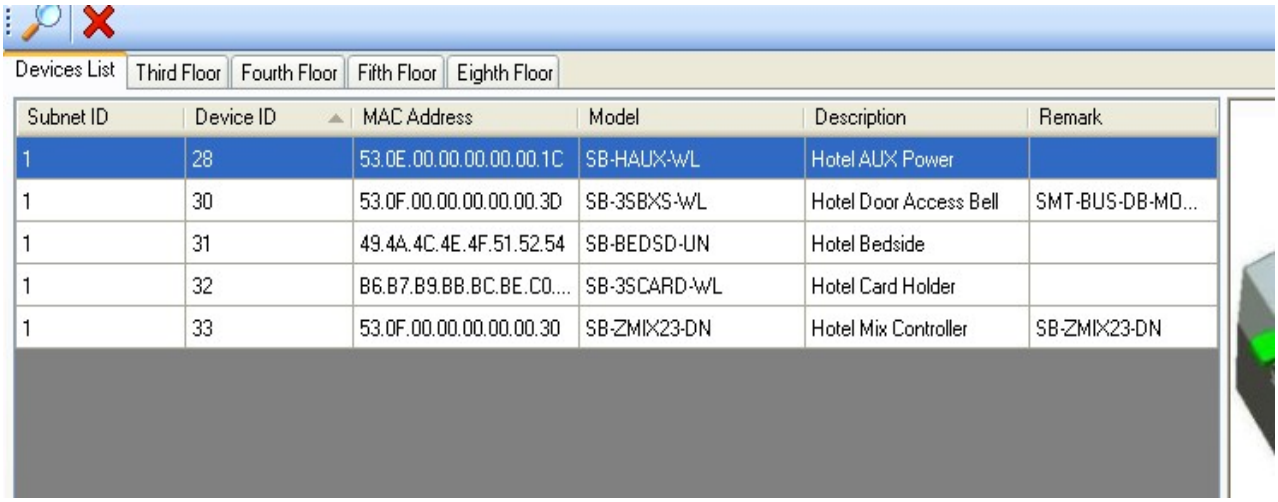


Click button **Fast Scan**



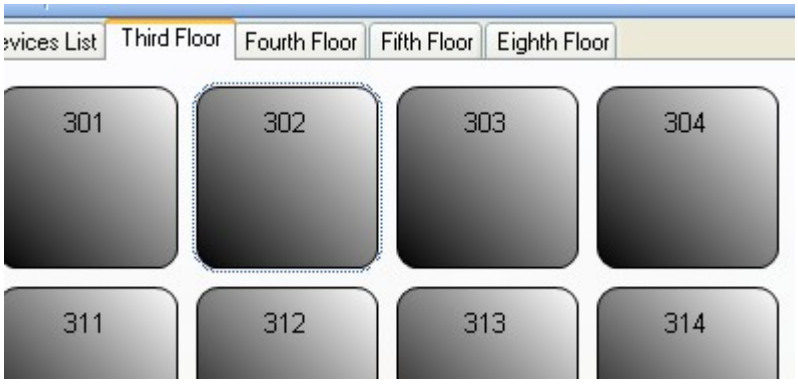
After you got all the online devices, click button **Add All** to devices list.

Device List

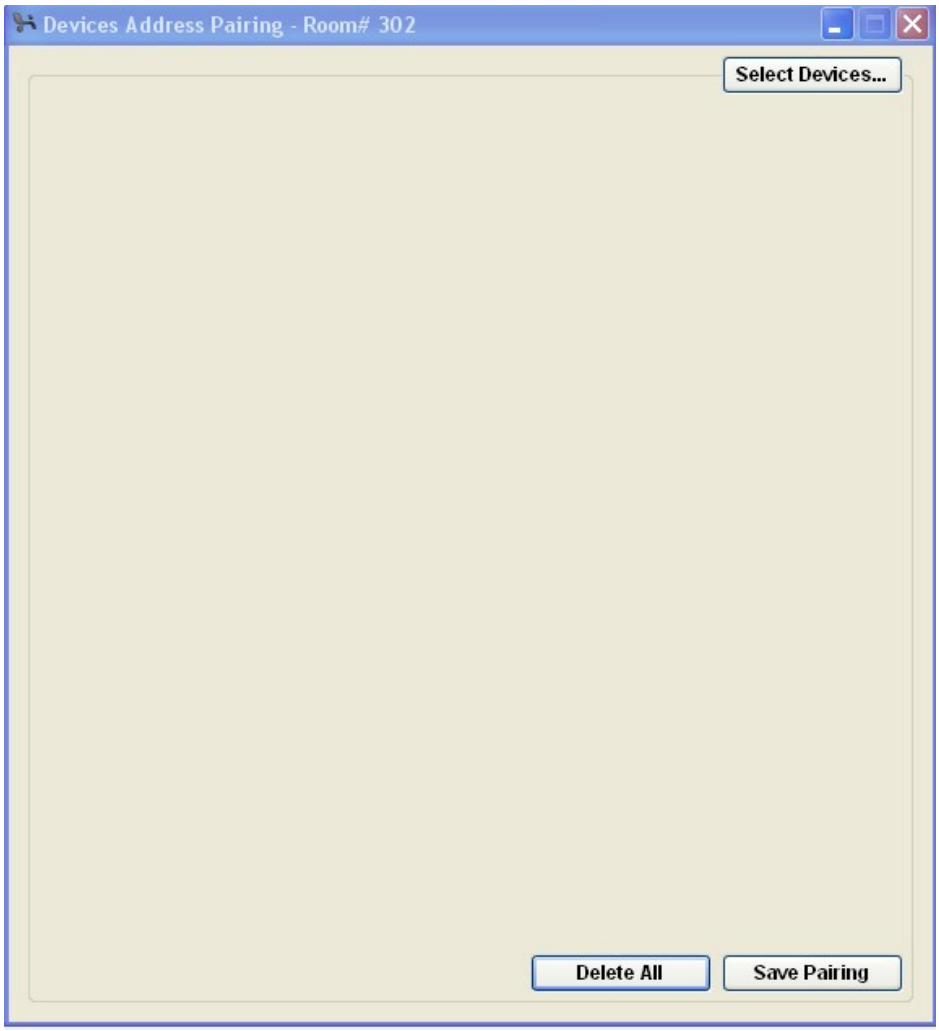


11. Pairing Room Devices

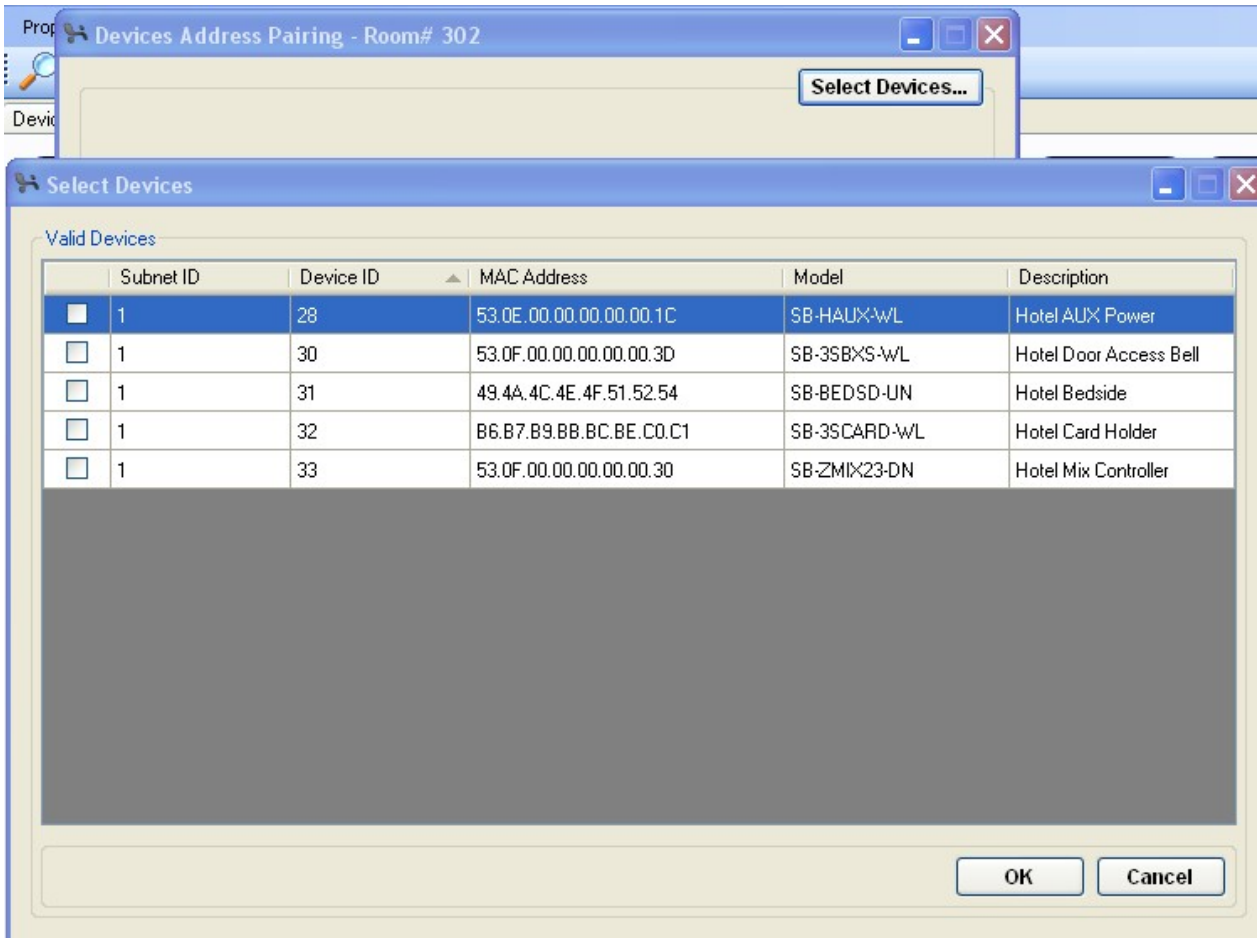
Here take room# 302 as example



Double click the room#,



Click the button **Select Device**…



Choose the devices that you would like to add to current room. Then click button **OK**

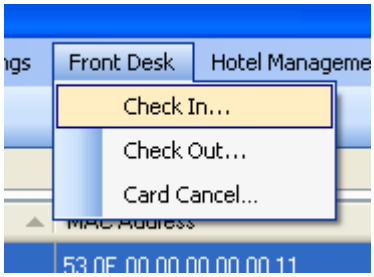
please note that the devices has been added to other room will not show in above screen, if would like to change, you need to remove the devices from that room first.

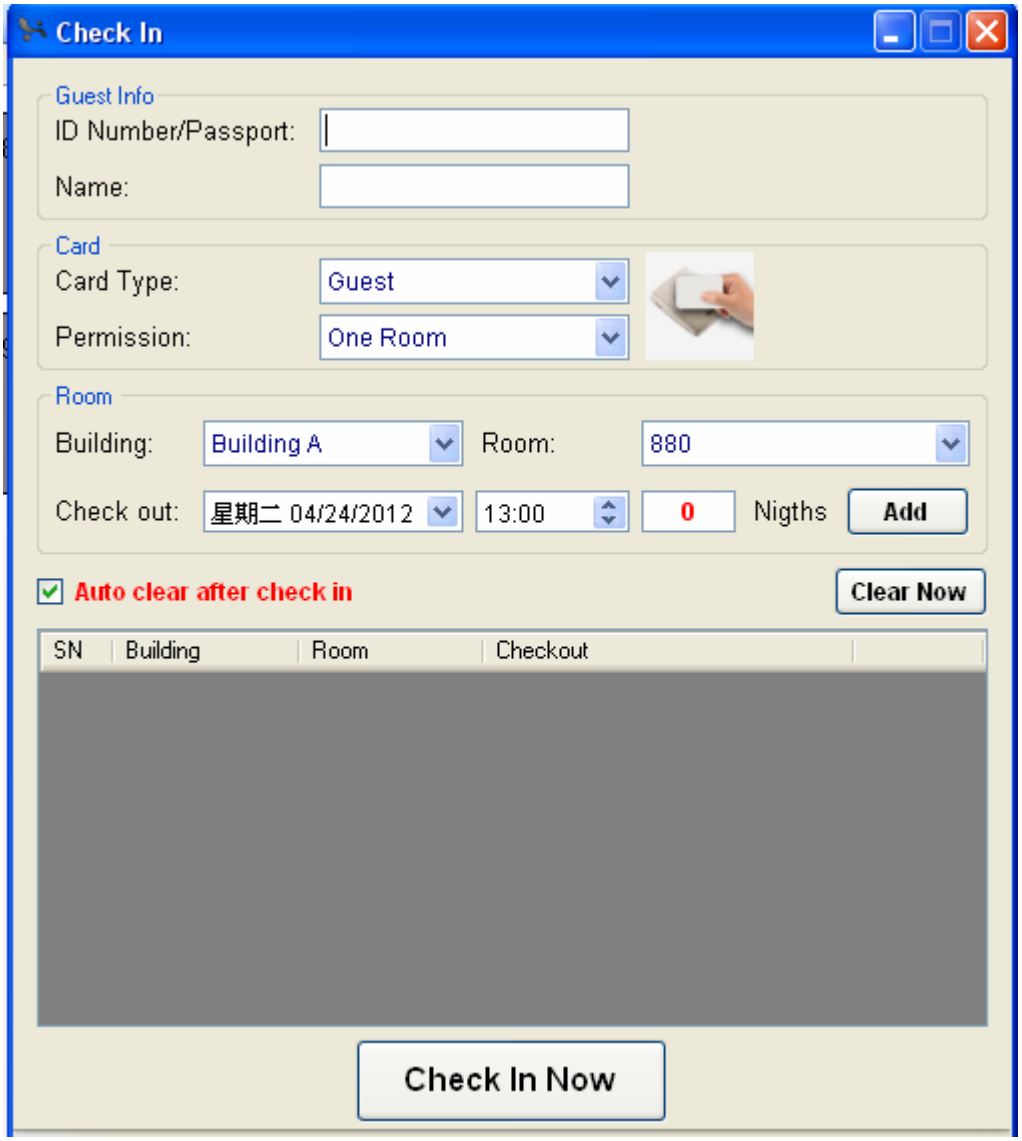
List for MAX QTY of device in one room		
SN	Device	MAX QTY can be added to one room
1	Hotel Door Bell Access	1
2	Hotel Card Holder	1
3	Hotel AUX Power	1
4	Hotel Zone Beast	1
5	Hotel Bedside Controller	2

Click above button **Save Pairing,** after successfully pair the devices in the room, the screen shows as below

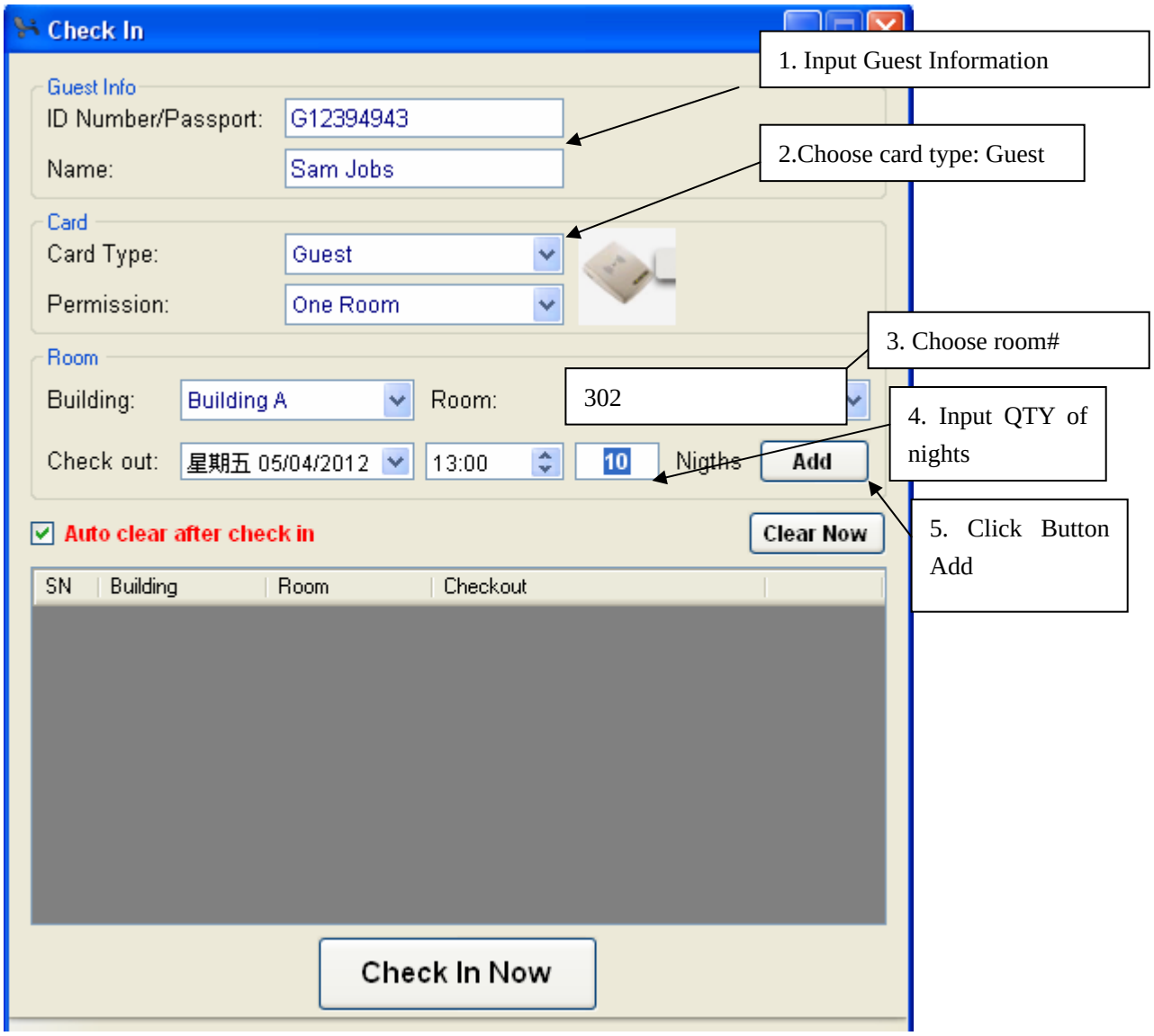
12. Check in

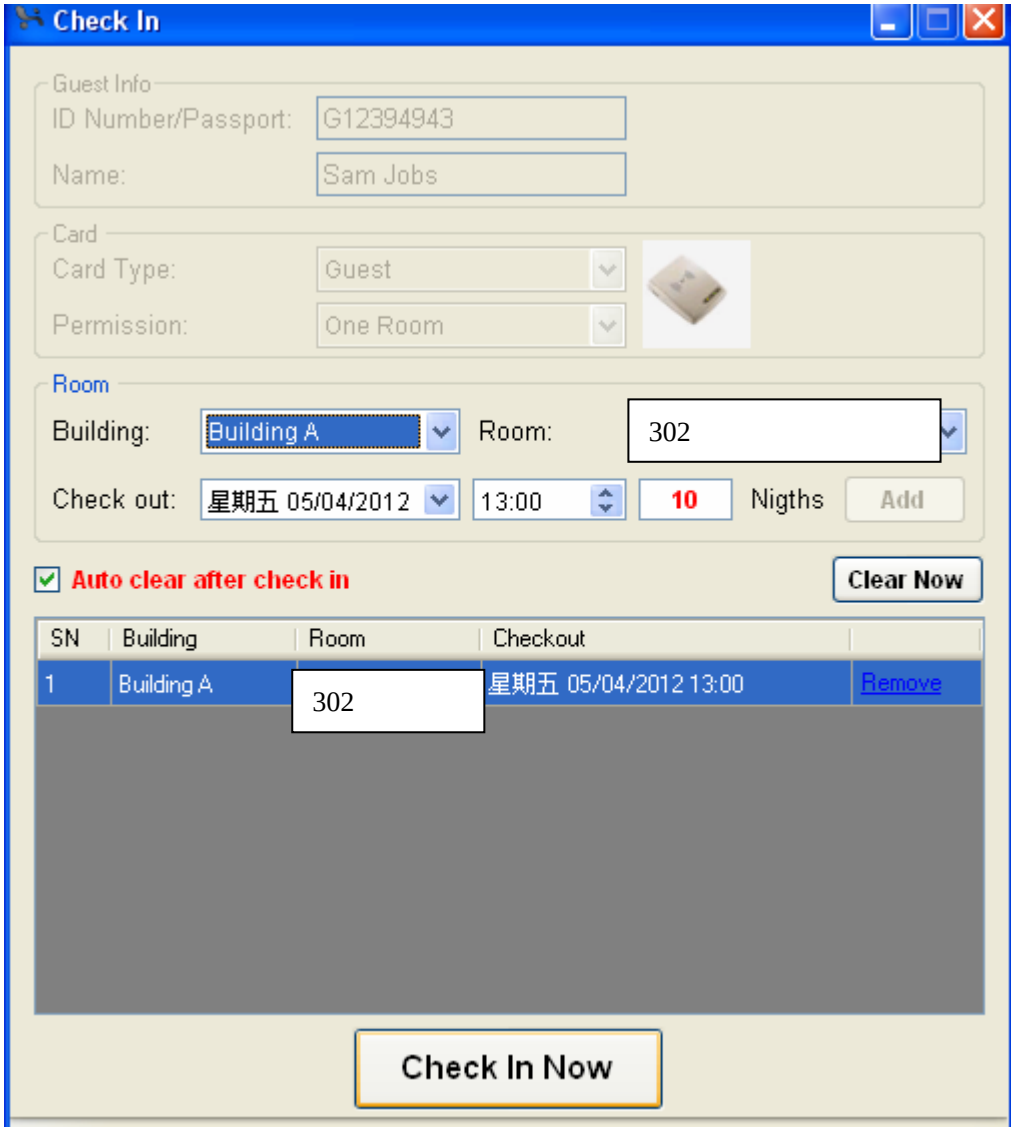
on the smart hotel system software, menu **Front Desk**, click **Check In**,



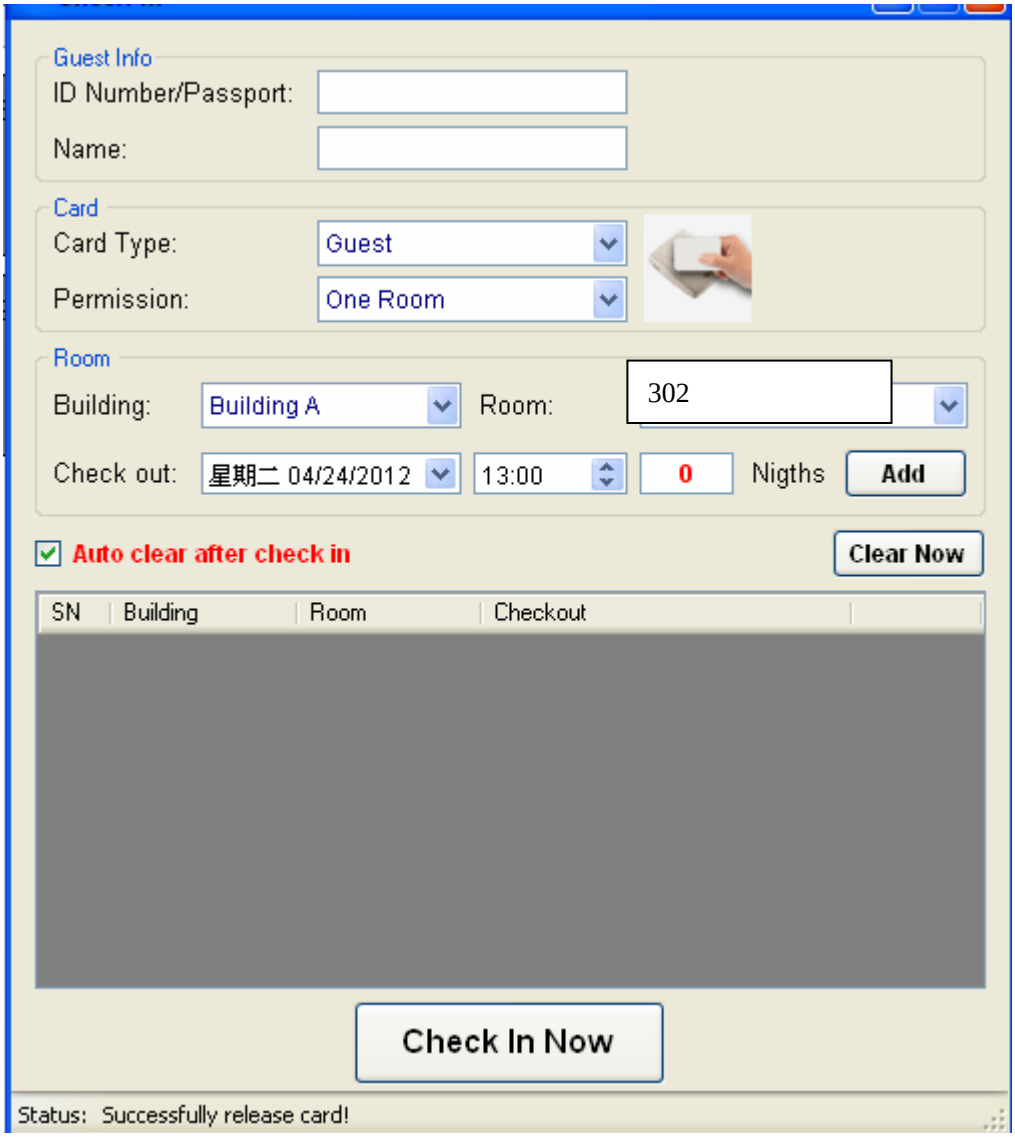


Here is the example for releasing guest card:

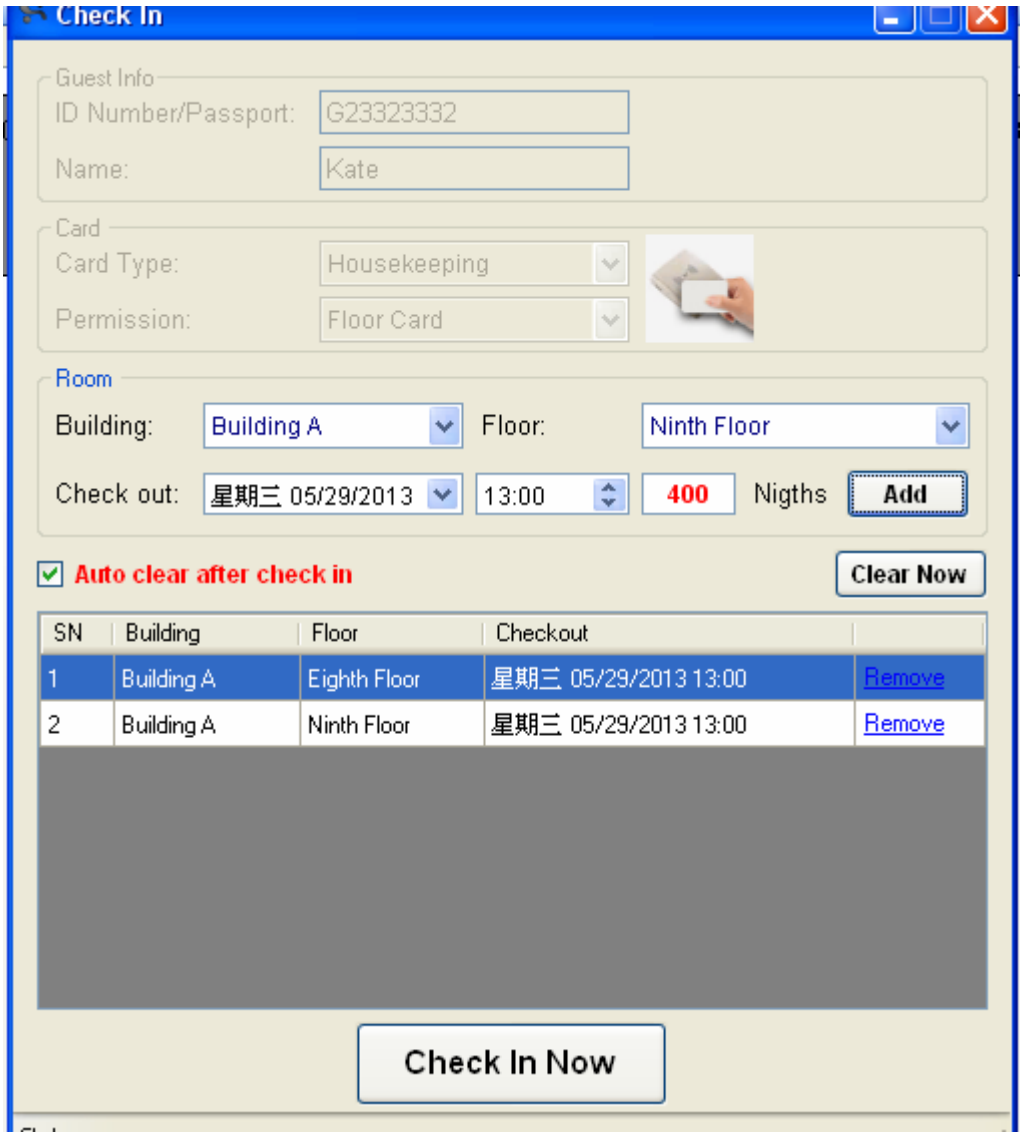

Check In
Guest Info
ID Number/Passport:
G12394943
Name:
Sam Jobs
Card
Card Type:
Guest
Permission:
One Room
Room
Building:
Building A
Room:
302
Check out:
星期五 05/04/2012
13:00
10
Nigths
Add
Auto clear after check in
Clear Now
SN
Building
Room
Checkout
Check In Now
1. Input Guest Information
2.Choose card type: Guest
3. Choose room#
4. Input QTY of nights
5. Click Button Add



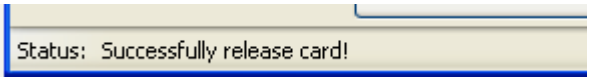
Click above button **Check In Now**



Here is the example for releasing floor card for cleaner:
Put the RF card on the Card encode device.

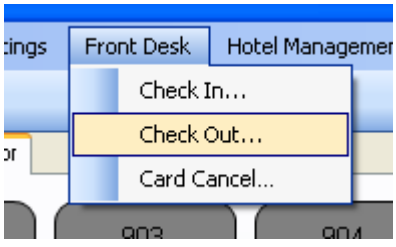


After successfully release card, it will show the status on the bottom.

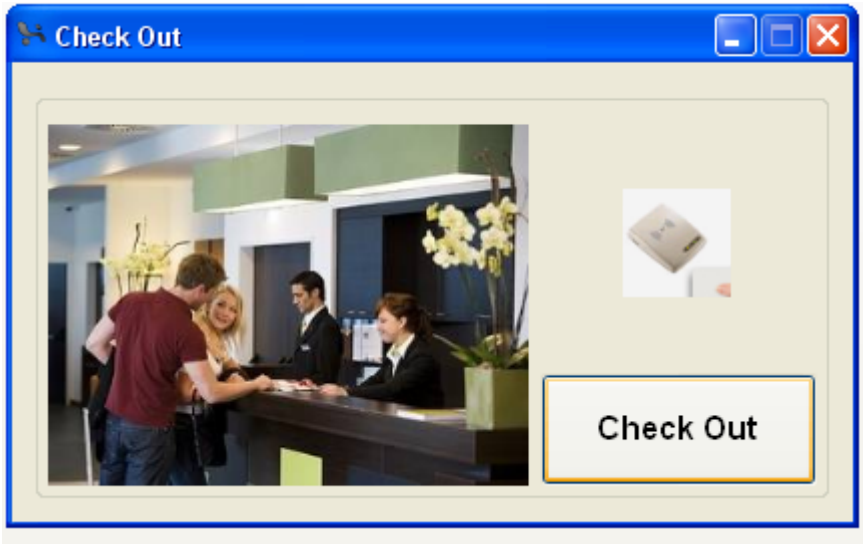


Now this card can open the doors of eighth and night floor.

13. Check Out

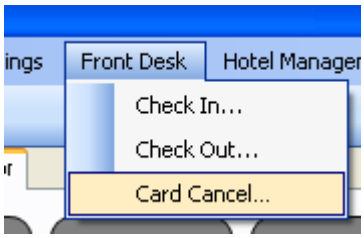


Put the card on card encoding device,
click button **Check Out**

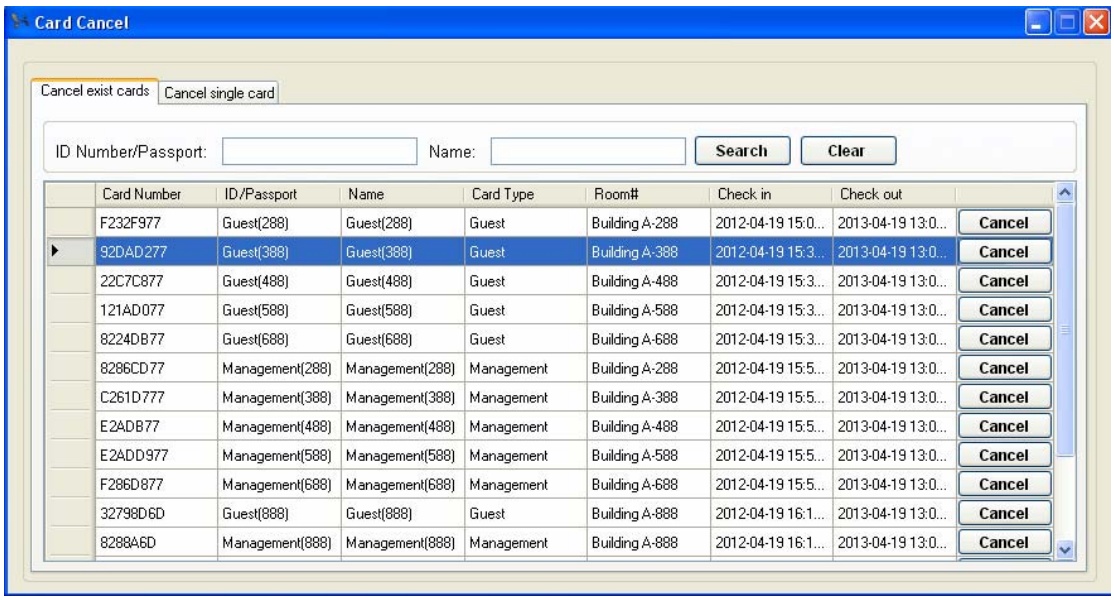


14. Cancel Card

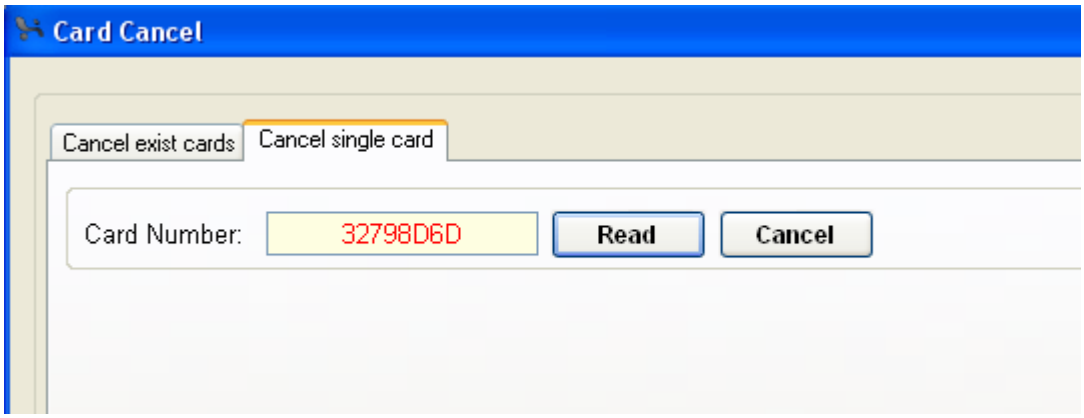
All card number will be stored in SQL Server when check in, if the card is loss, you can cancel this card by software.



You search the card name or ID or passport,

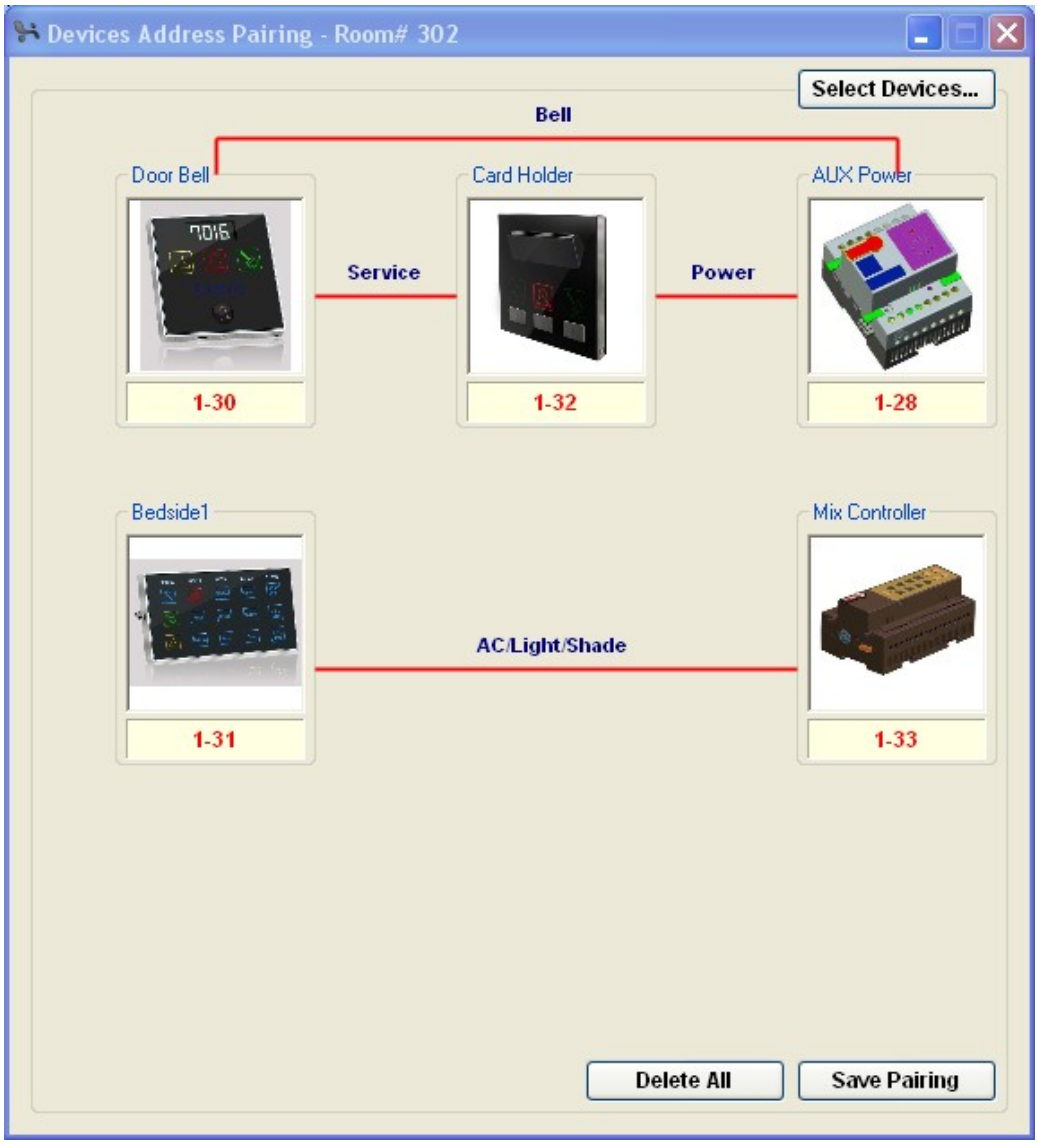


or if you have card on your hand, you can read the card number, then cancel it.

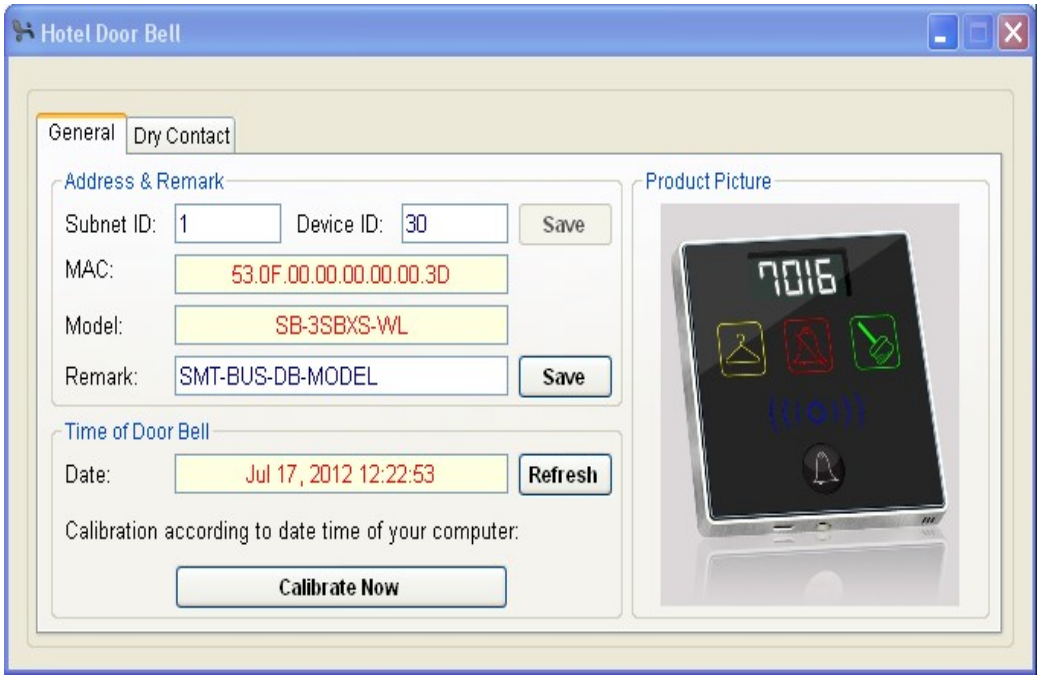


15. Hotel Door Bell Access Settings

choose the room# that you would like to configure; here take the room# 302 as example.
Double click the room# 302



Double click the picture of hotel door bell access

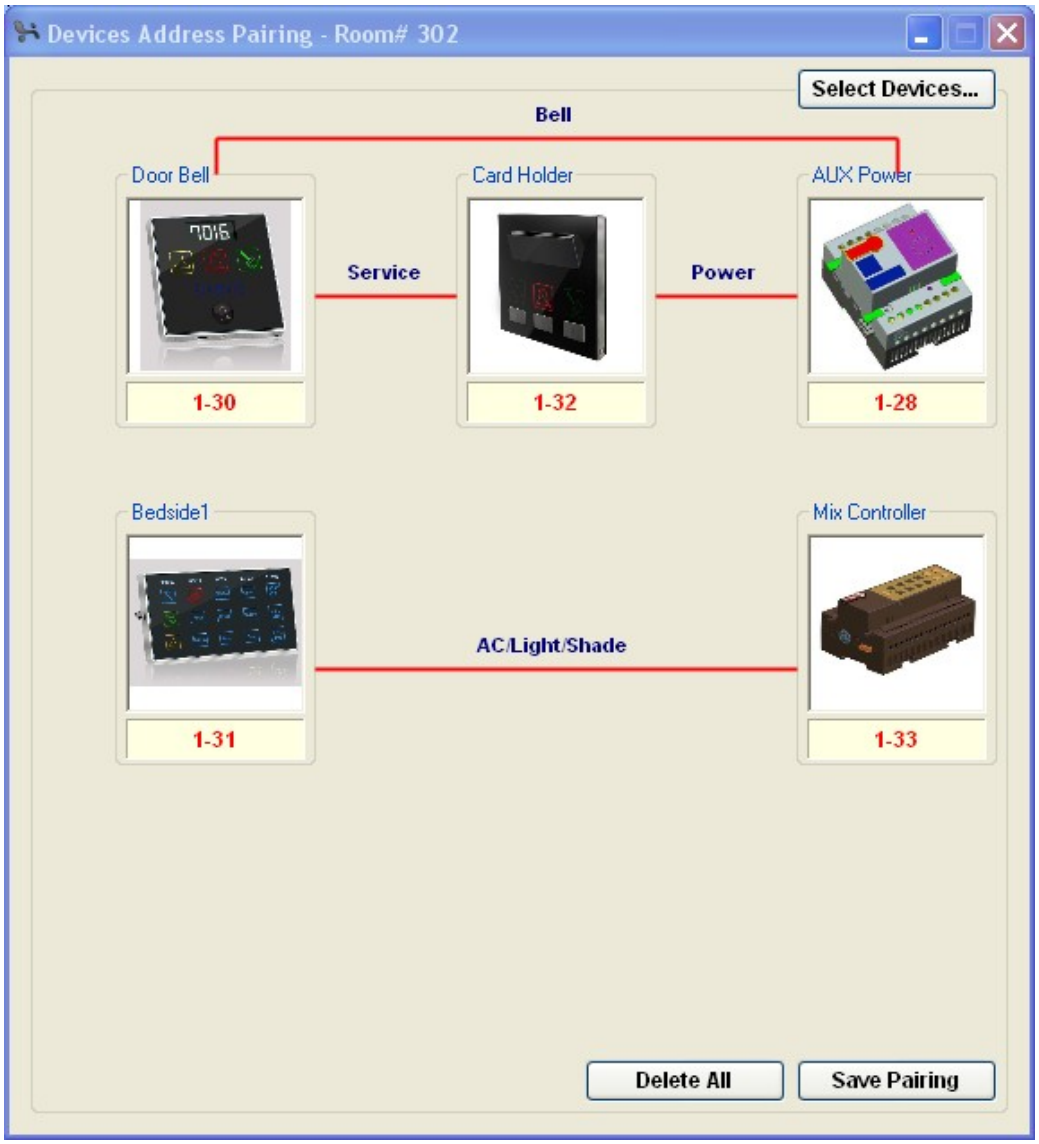


The Hotel Door Bell access has built in the clock, if the clock on the module is not accurate, please presses the button **Calibrate Now** above.

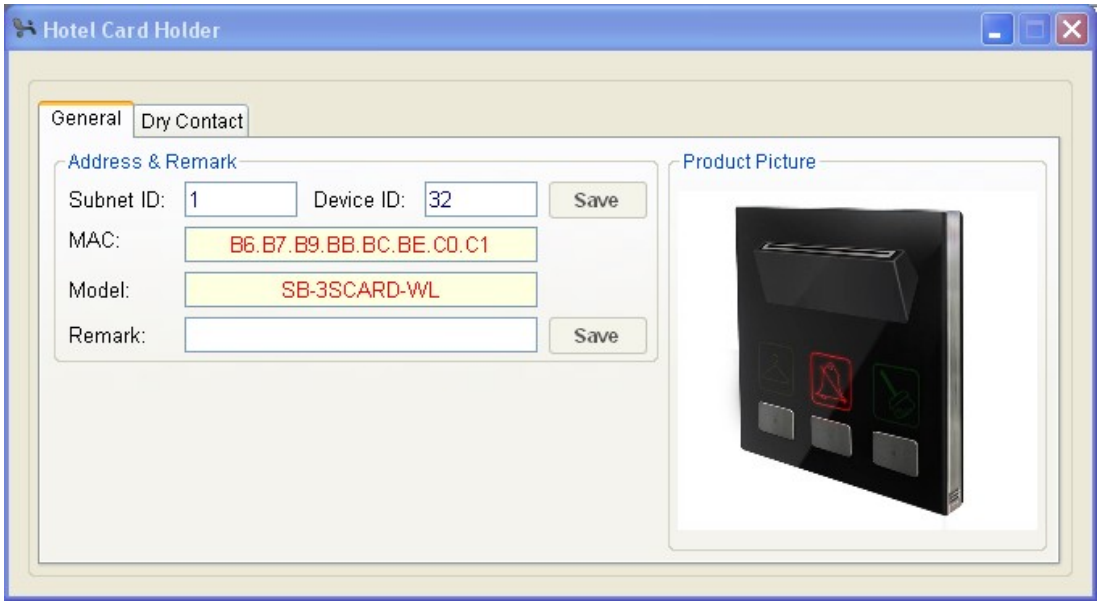
Dry Contact Settings

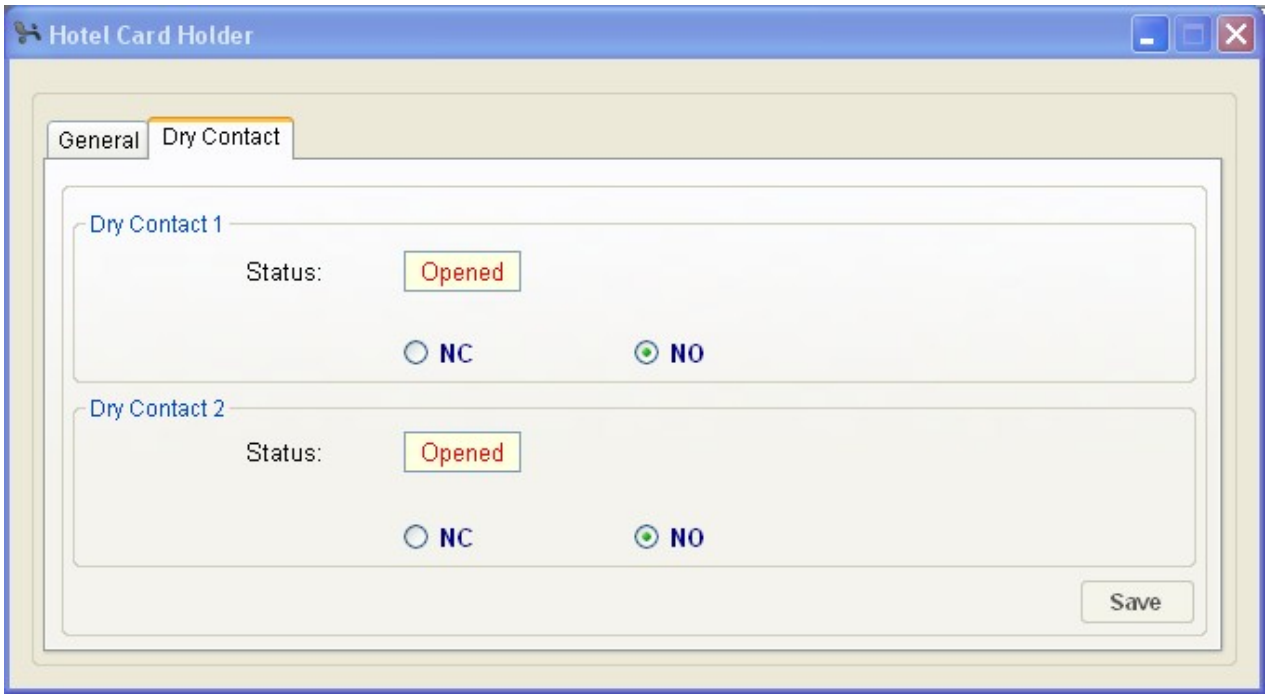
please know that Dry Contact 2 is for door magnet sensor, so Dry Contact 2 must be NC.

16. Hotel Card Holder Settings



Double click the picture of hotel card holder

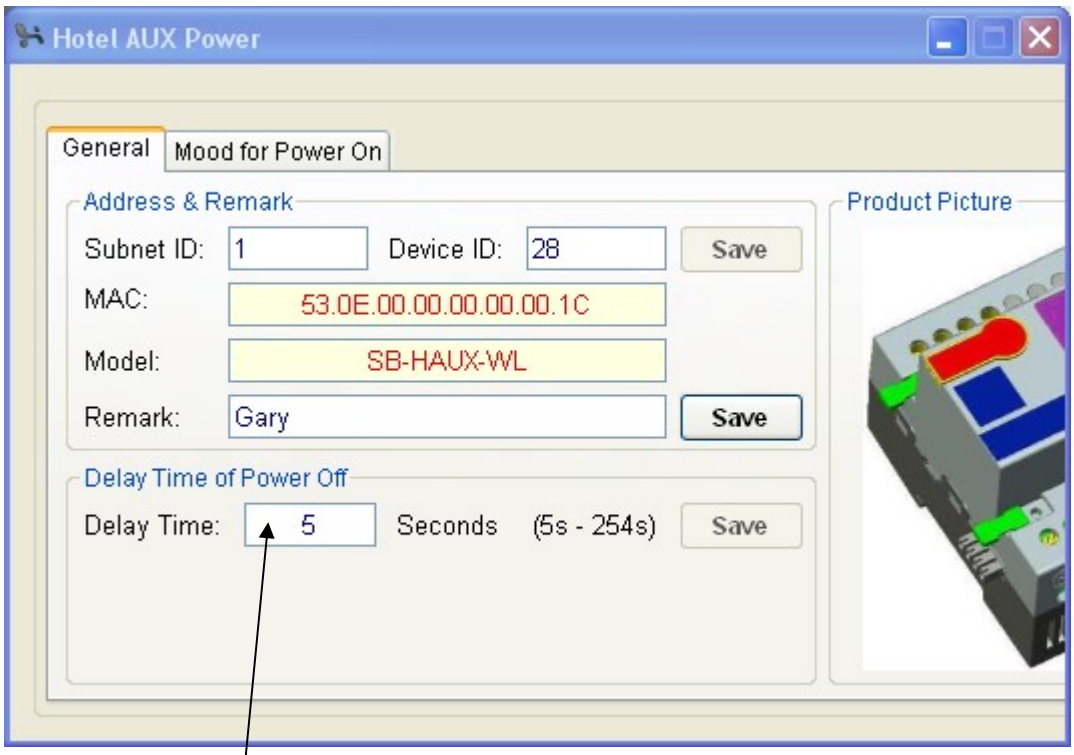




Please know that the dry contact 1 is for external bell, dry contact 1 can connect to normal external bell to turn on /off the bell.
So it must be NO

17. Hotel AUX Power Settings

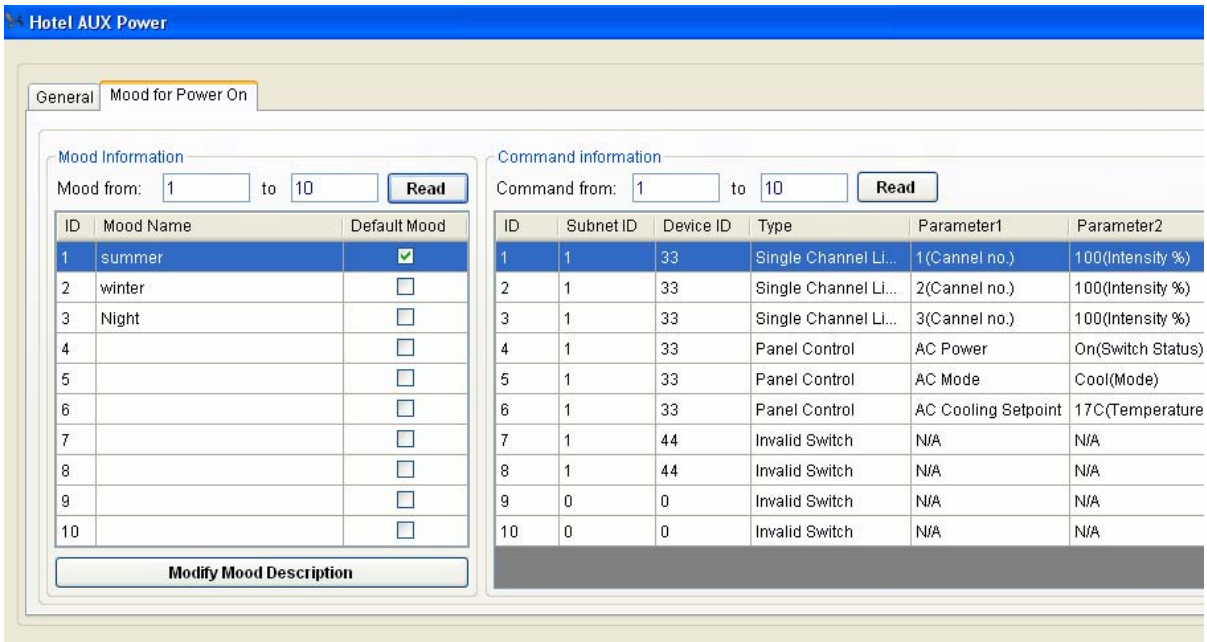
Double click the picture of AUX Power:



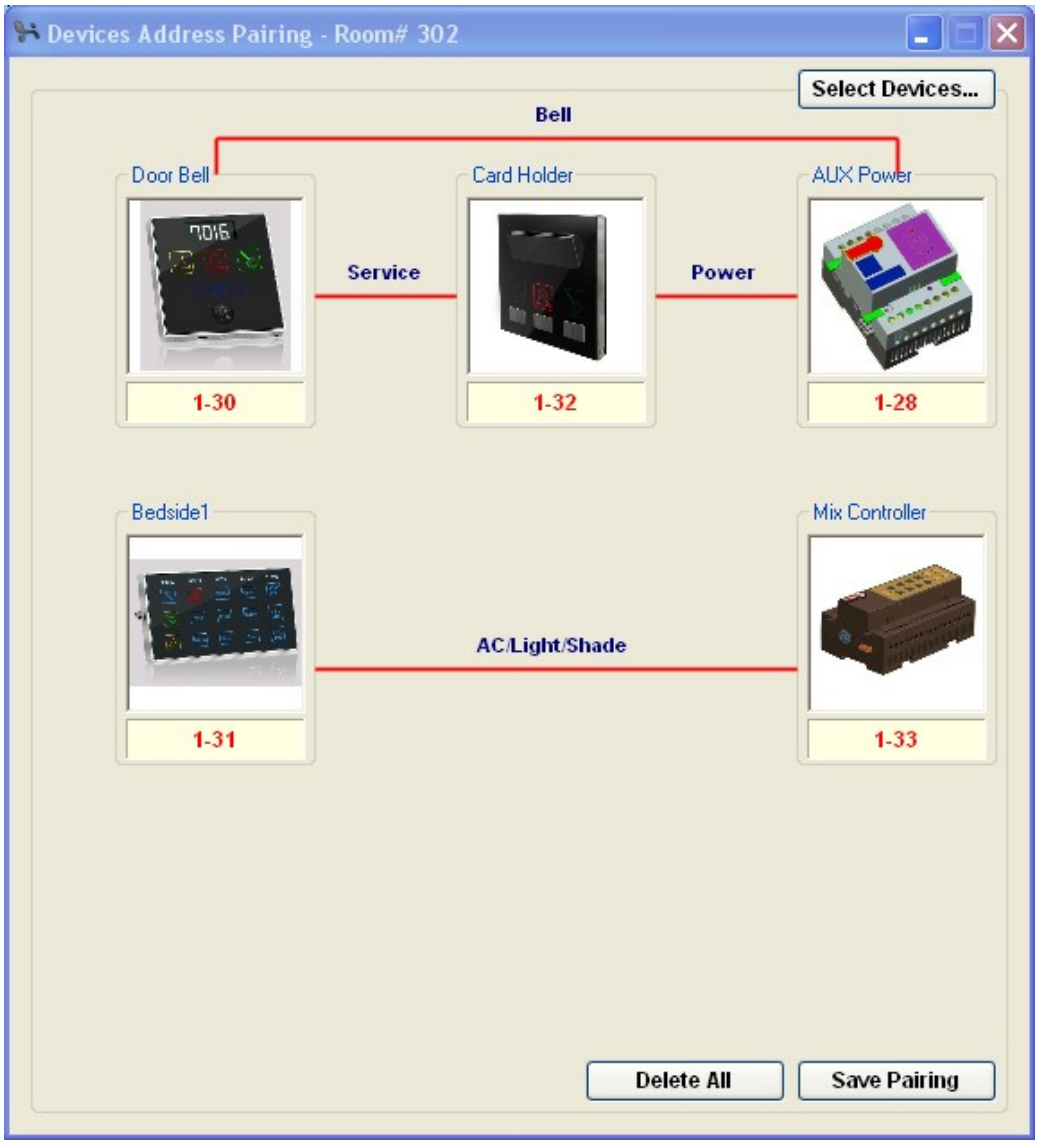
Delay Time for Power Off.

Mood for Power On

Mood is up to 10, the current default mood only has one.

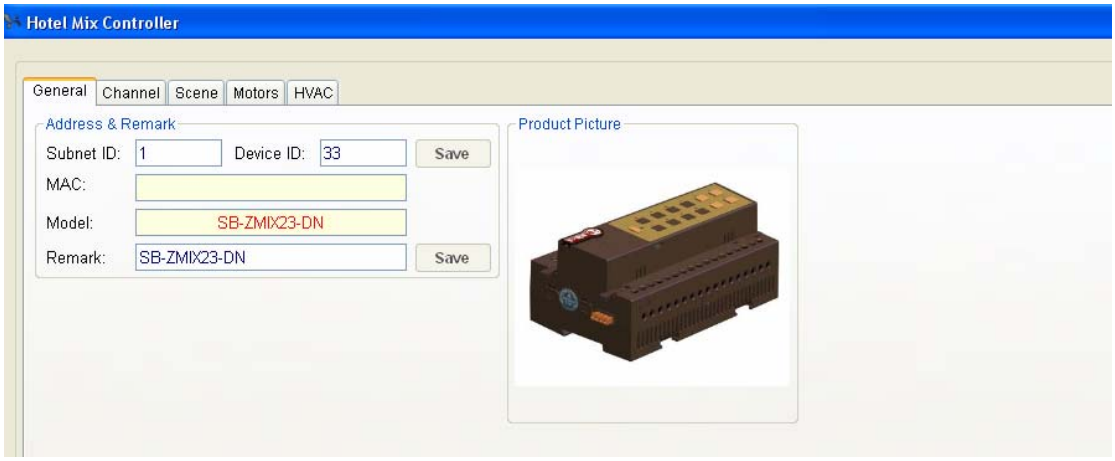


18. Hotel Zone Beast Settings

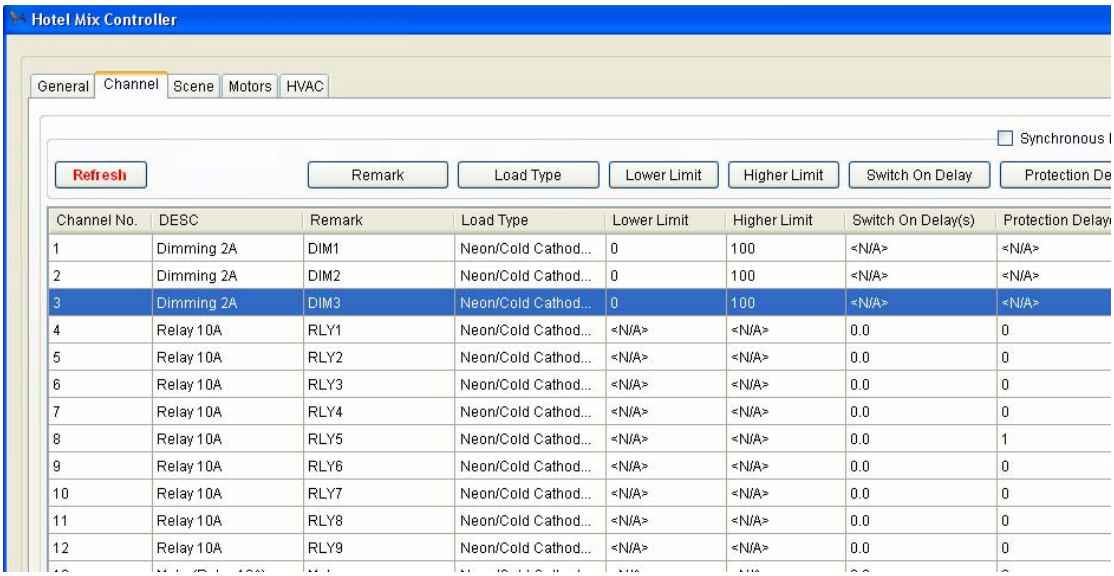


Double click the picture of hotel mix controller (Zone Beast)

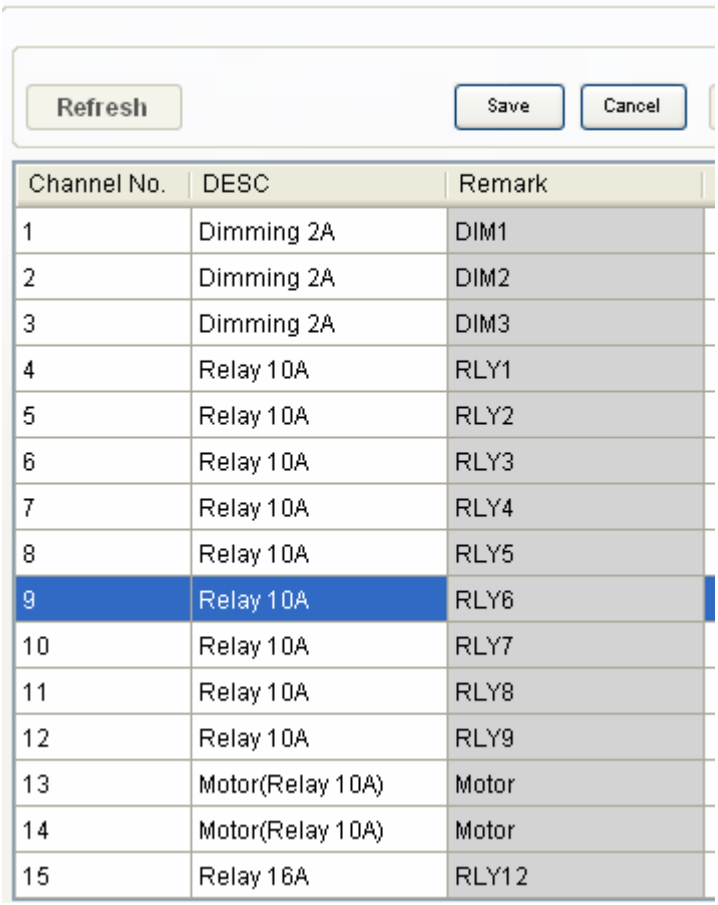
General



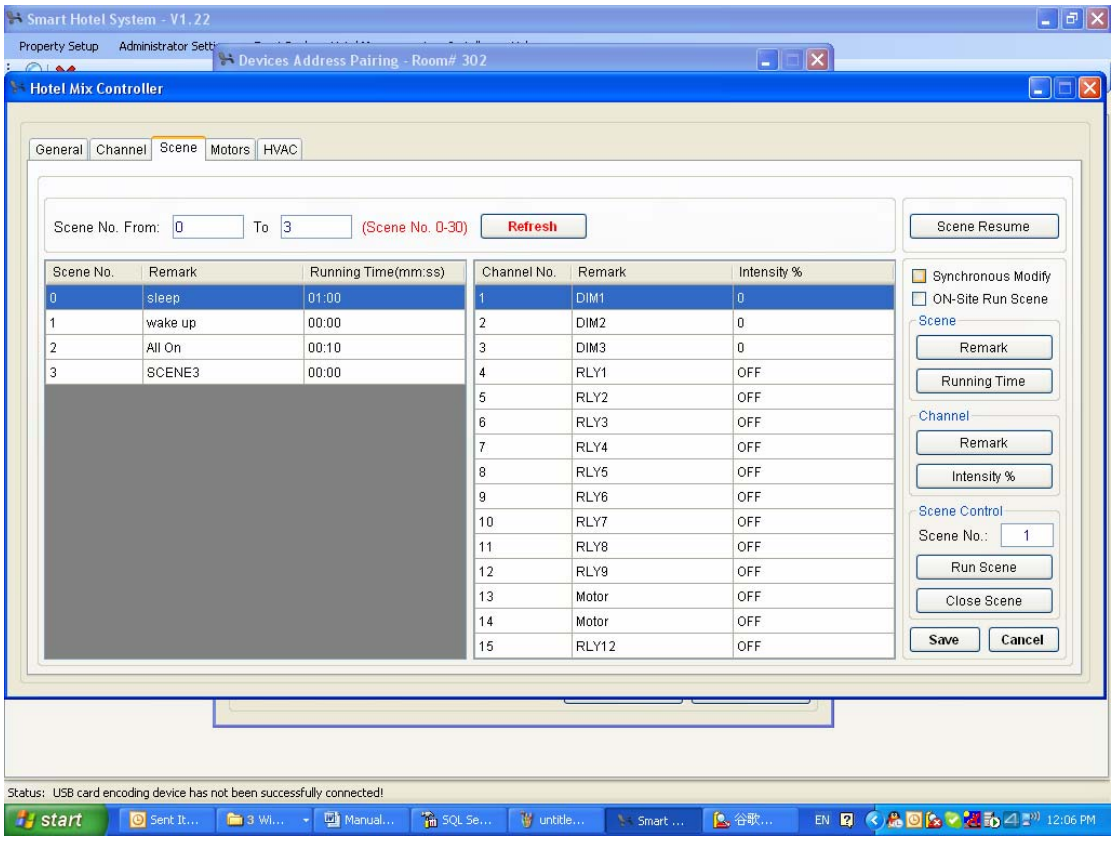
Channels



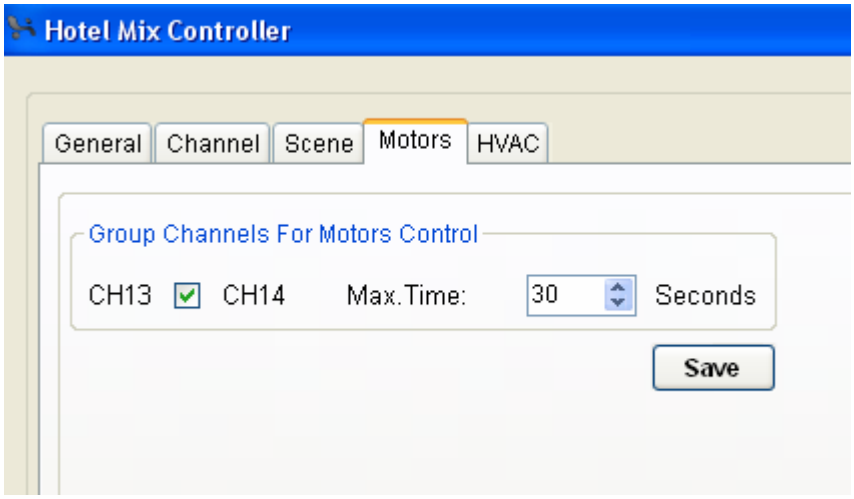
To modify Remark, just click the button **Remark**



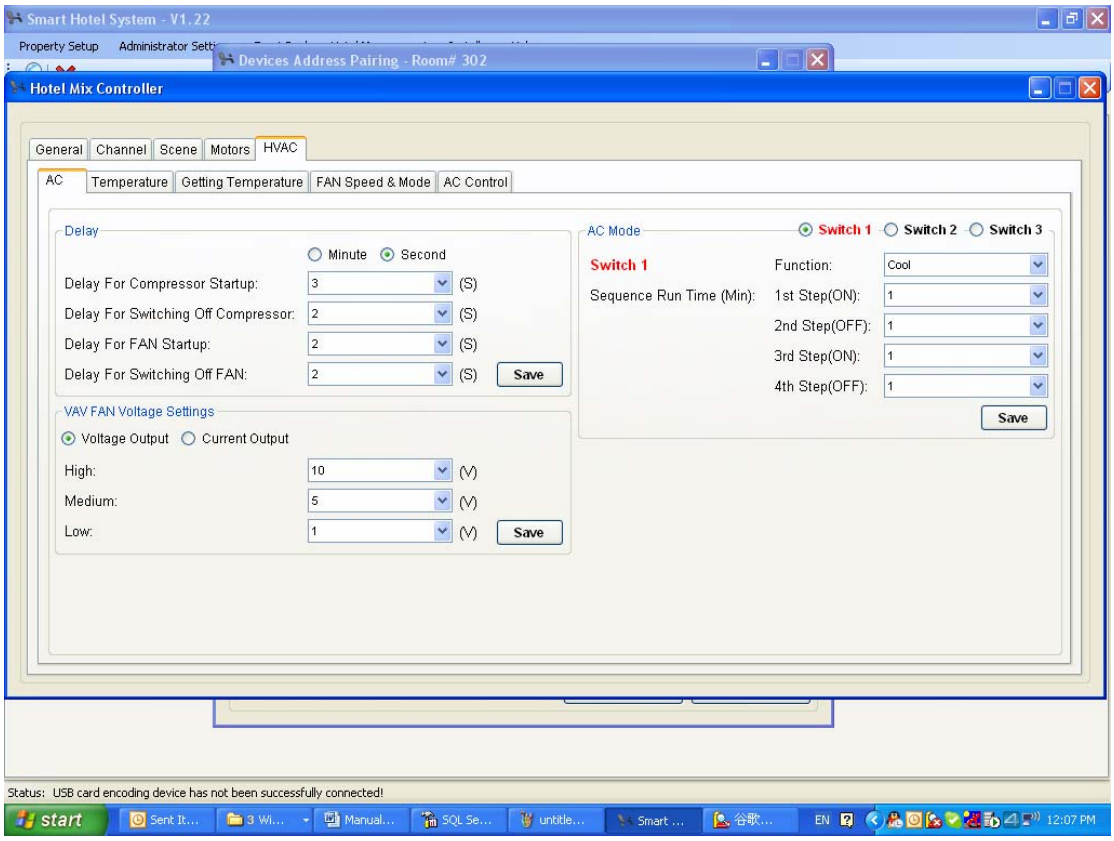
Scene

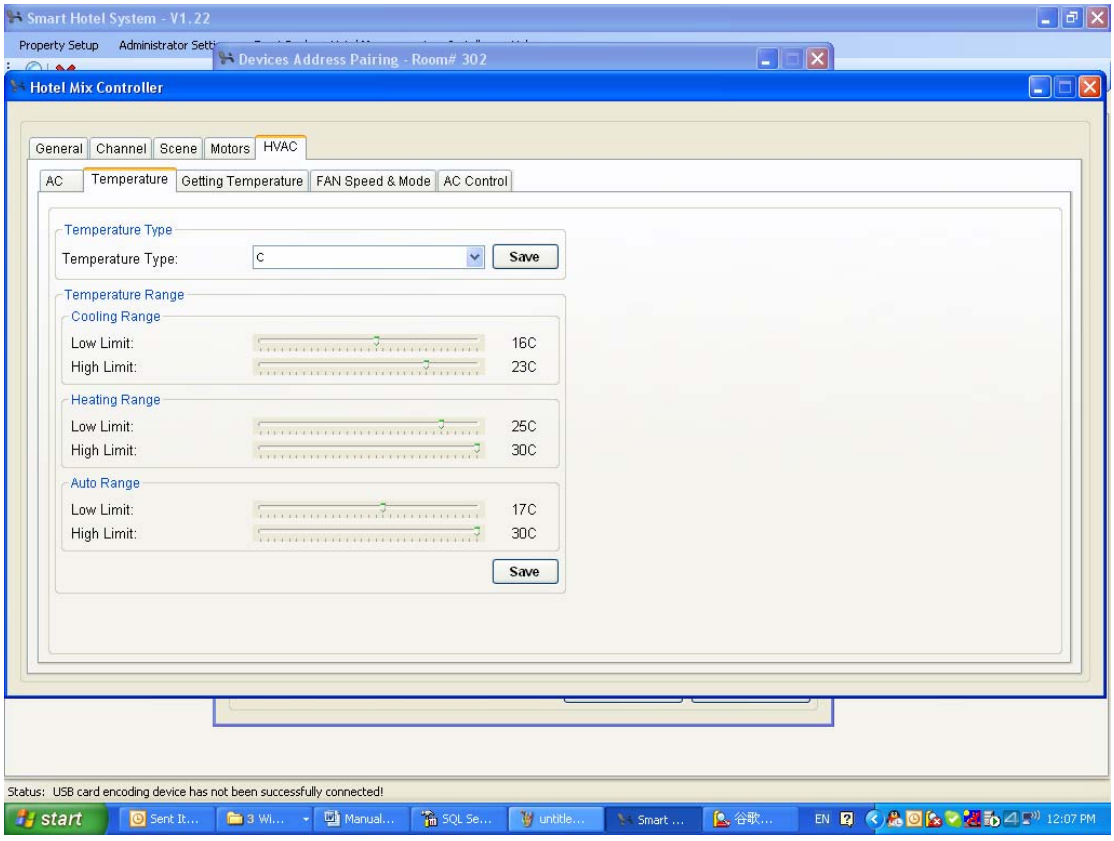

Smart Hotel System - V1.22
Property Setup
Administrator Setti
Devices Address Pairing - Room# 302
Hotel Mix Controller
General
Channel
Scene
Motors
HVAC
Scene No. From: 0 To 3 (Scene No. 0-30) Refresh
Scene Resume
Scene No. Remark Running Time(mm:ss)
0 sleep 01:00
1 wake up 00:00
2 All On 00:10
3 SCENE3 00:00
Channel No. Remark Intensity %
1 DIM1 0
2 DIM2 0
3 DIM3 0
4 RLY1 OFF
5 RLY2 OFF
6 RLY3 OFF
7 RLY4 OFF
8 RLY5 OFF
9 RLY6 OFF
10 RLY7 OFF
11 RLY8 OFF
12 RLY9 OFF
13 Motor OFF
14 Motor OFF
15 RLY12 OFF
Synchronous Modify
ON-Site Run Scene
Scene
Remark
Running Time
Channel
Remark
Intensity %
Scene Control
Scene No.: 1
Run Scene
Close Scene
Save
Cancel
Status: USB card encoding device has not been successfully connected!
start
12:06 PM

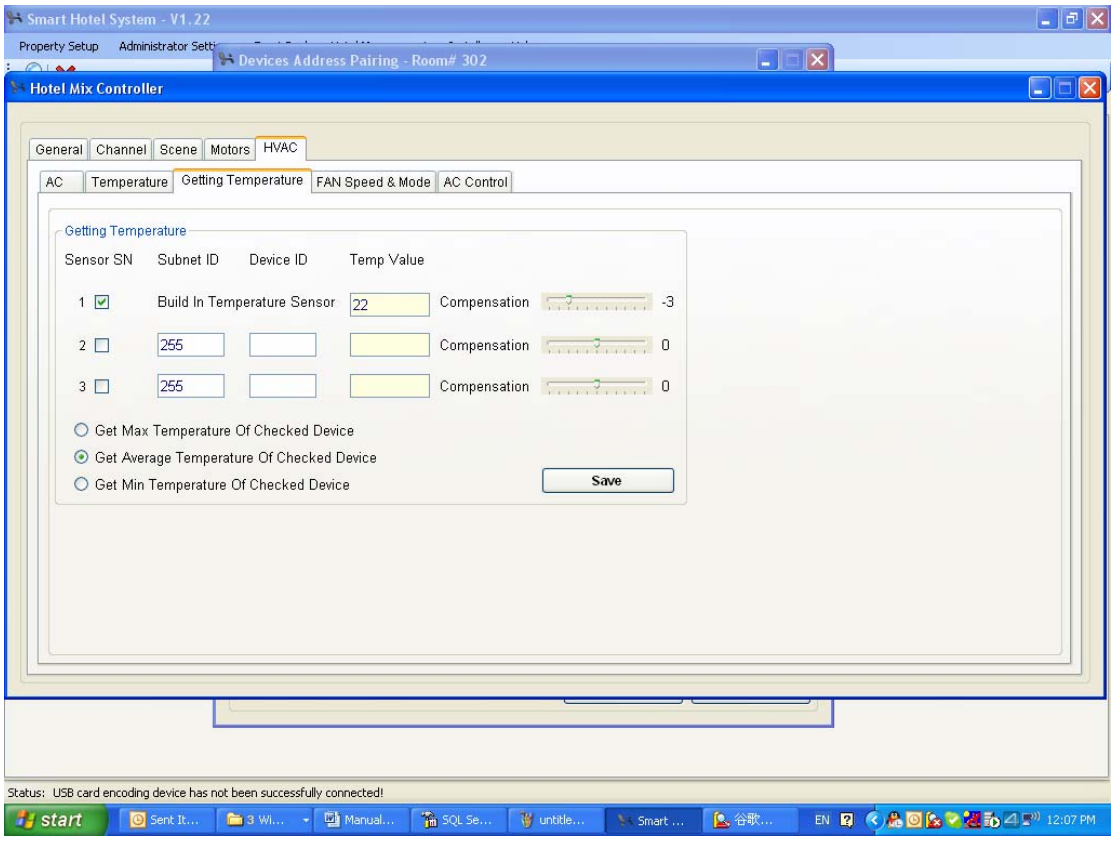
Motor

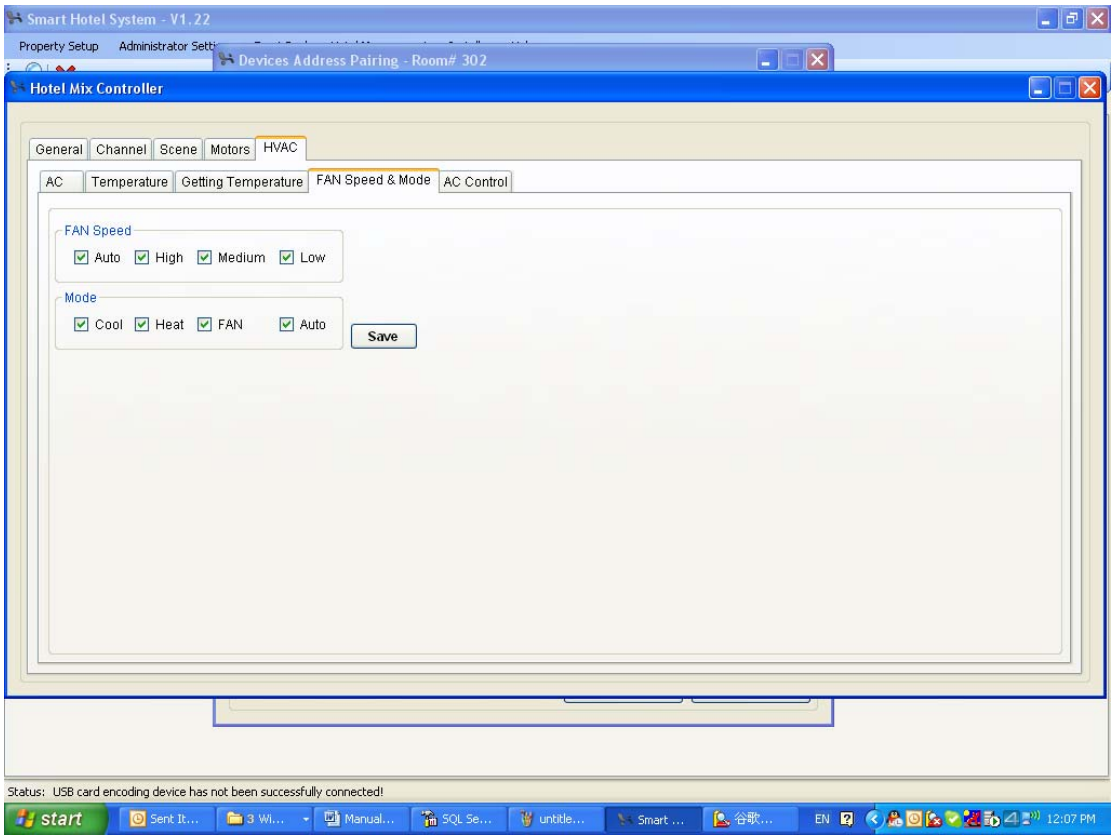

Hotel Mix Controller
General
Channel
Scene
Motors
HVAC
Group Channels For Motors Control
CH13
CH14
Max.Time:
30
Seconds
Save

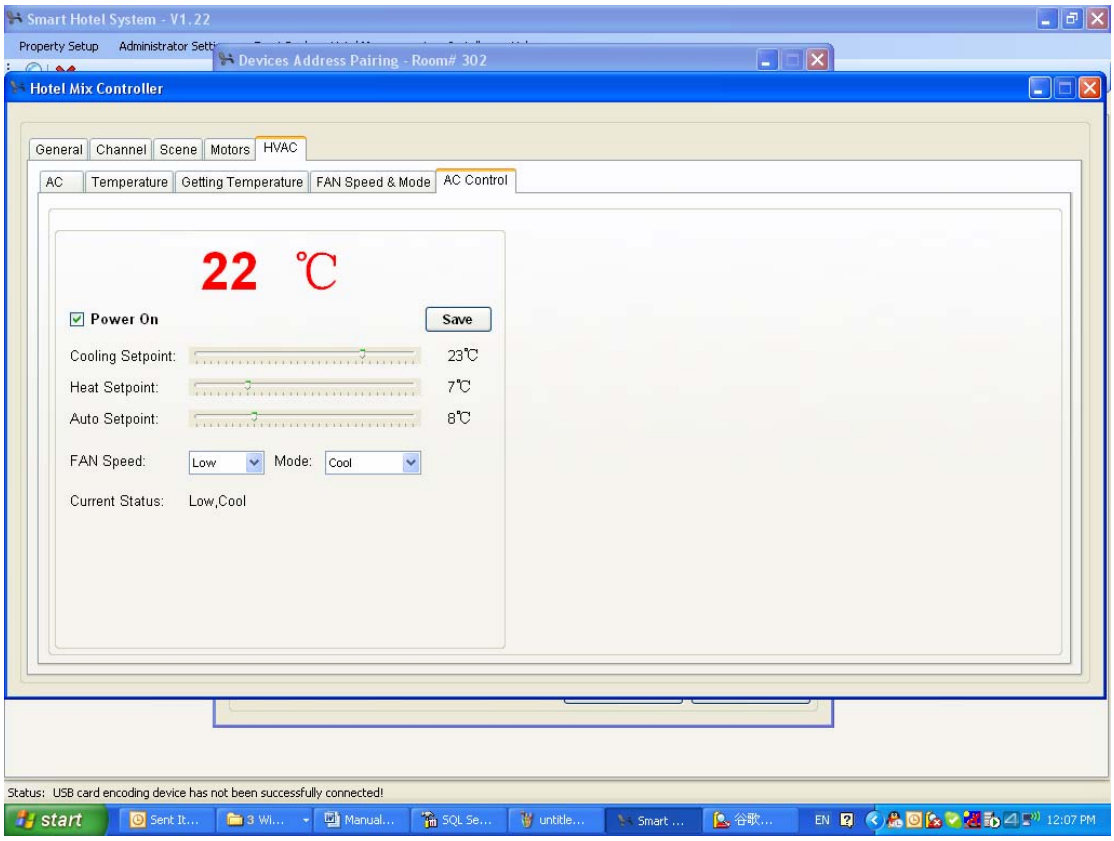
HVAC


Smart Hotel System - V1.22
Property Setup
Administrator Setti
Devices Address Pairing - Room# 302
Hotel Mix Controller
General
Channel
Scene
Motors
HVAC
AC
Temperature
Getting Temperature
FAN Speed & Mode
AC Control
Delay
Minute
Second
Delay For Compressor Startup: 3 (S)
Delay For Switching Off Compressor: 2 (S)
Delay For FAN Startup: 2 (S)
Delay For Switching Off FAN: 2 (S)
Save
VAV FAN Voltage Settings
Voltage Output
Current Output
High: 10 (V)
Medium: 5 (V)
Low: 1 (V)
Save
AC Mode
Switch 1
Switch 2
Switch 3
Switch 1
Function: Cool
Sequence Run Time (Min):
1st Step(ON): 1
2nd Step(OFF): 1
3rd Step(ON): 1
4th Step(OFF): 1
Save
Status: USB card encoding device has not been successfully connected!
start
12:07 PM


Smart Hotel System - V1.22
Property Setup
Administrator Setti
Devices Address Pairing - Room# 302
Hotel Mix Controller
General
Channel
Scene
Motors
HVAC
AC
Temperature
Getting Temperature
FAN Speed & Mode
AC Control
Temperature Type
Temperature Type: C
Save
Temperature Range
Cooling Range
Low Limit: 16C
High Limit: 23C
Heating Range
Low Limit: 25C
High Limit: 30C
Auto Range
Low Limit: 17C
High Limit: 30C
Save
Status: USB card encoding device has not been successfully connected!
start
12:07 PM

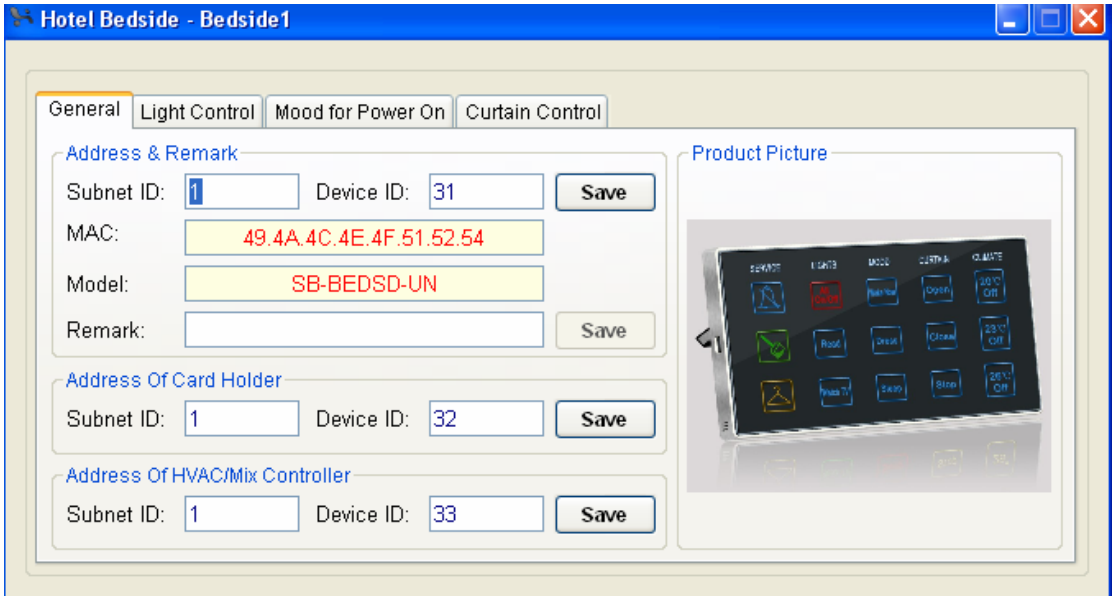

Smart Hotel System - V1.22
Property Setup
Administrator Setti
Devices Address Pairing - Room# 302
Hotel Mix Controller
General
Channel
Scene
Motors
HVAC
AC
Temperature
Getting Temperature
FAN Speed & Mode
AC Control
Getting Temperature
Sensor SN
Subnet ID
Device ID
Temp Value
1
Build In Temperature Sensor
22
Compensation
-3
2
255
Compensation
0
3
255
Compensation
0
Get Max Temperature Of Checked Device
Get Average Temperature Of Checked Device
Get Min Temperature Of Checked Device
Save
Status: USB card encoding device has not been successfully connected!
start
Sent It...
3 Wi...
Manual...
SQL Se...
untitle...
Smart ...
谷歌...
EN
12:07 PM

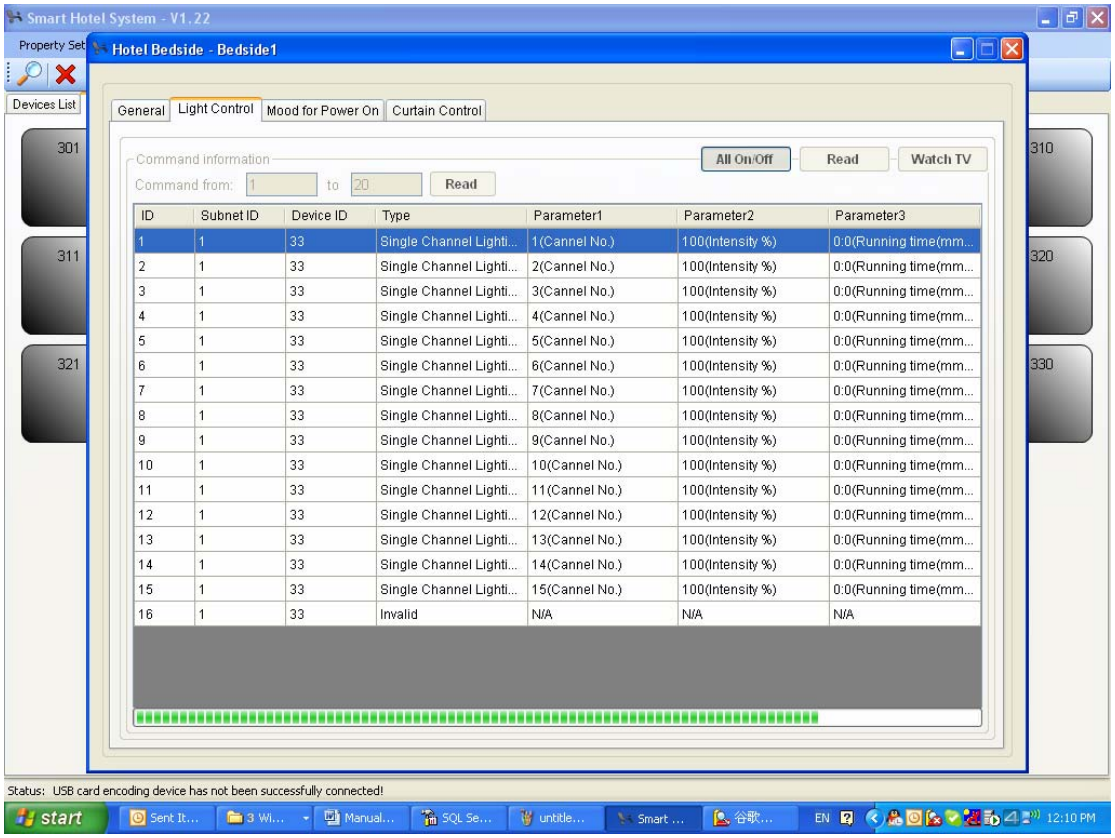

Smart Hotel System - V1.22
Property Setup
Administrator Setti
Devices Address Pairing - Room# 302
Hotel Mix Controller
General
Channel
Scene
Motors
HVAC
AC
Temperature
Getting Temperature
FAN Speed & Mode
AC Control
FAN Speed
Auto
High
Medium
Low
Mode
Cool
Heat
FAN
Auto
Save
Status: USB card encoding device has not been successfully connected!
start
Sent It...
3 Wi...
Manual...
SQL Se...
untitle...
Smart ...
谷歌...
EN
12:07 PM

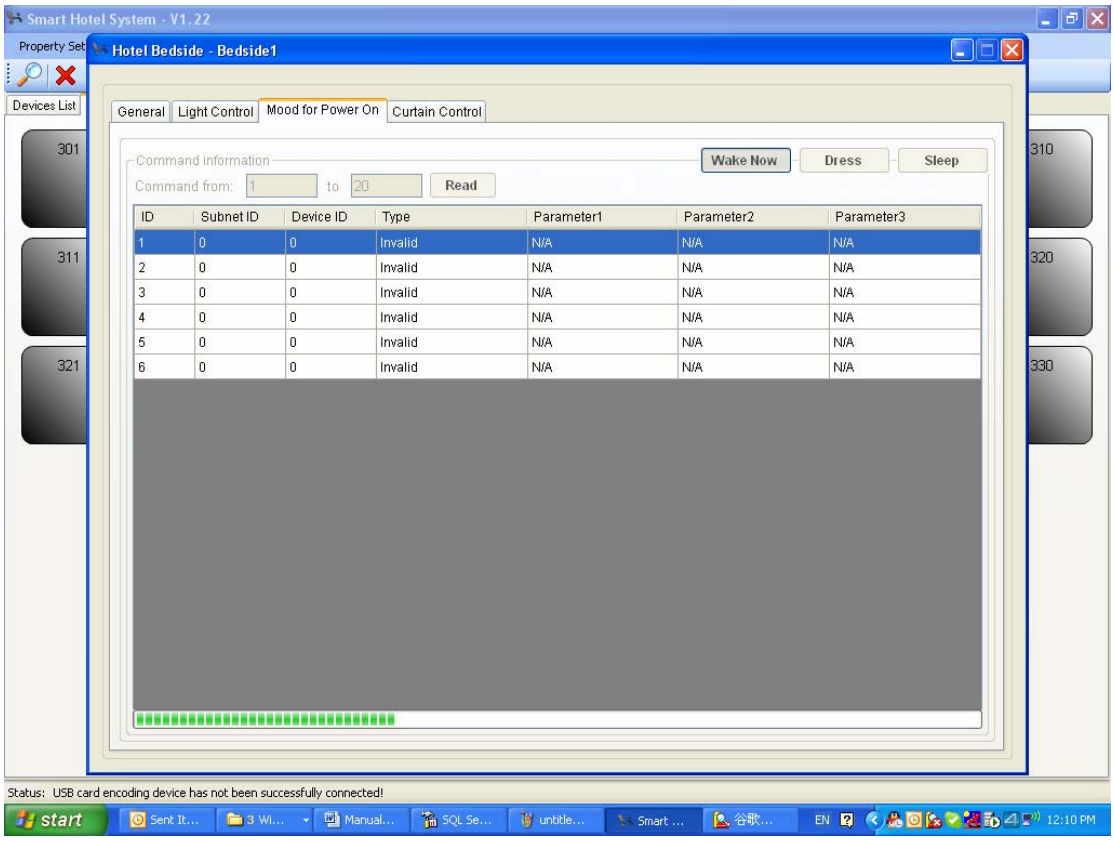

Smart Hotel System - V1.22
Property Setup
Administrator Setti
Devices Address Pairing - Room# 302
Hotel Mix Controller
General
Channel
Scene
Motors
HVAC
AC
Temperature
Getting Temperature
FAN Speed & Mode
AC Control
22 ℃
Power On
Save
Cooling Setpoint:
23℃
Heat Setpoint:
7℃
Auto Setpoint:
8℃
FAN Speed:
Low
Mode:
Cool
Current Status:
Low,Cool
Status: USB card encoding device has not been successfully connected!
start
Sent It...
3 Wi...
Manual...
SQL Se...
untitle...
Smart ...
谷歌...
EN
12:07 PM

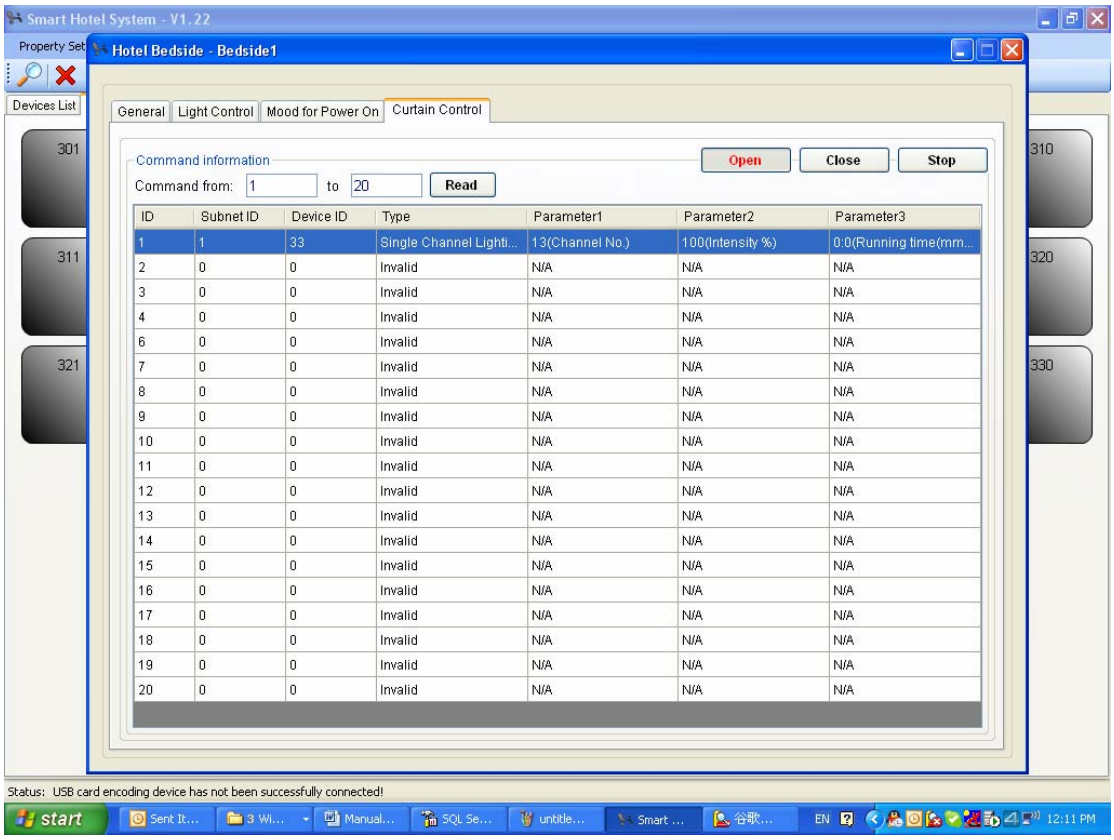
19. Hotel Bedside Controller Settings

Double click the picture of hotel Bedside


Hotel Bedside - Bedside1
General
Light Control
Mood for Power On
Curtain Control
Address & Remark
Subnet ID: 1
Device ID: 31
Save
MAC: 49.4A.4C.4E.4F.51.52.54
Model: SB-BEDSD-UN
Remark:
Save
Address Of Card Holder
Subnet ID: 1
Device ID: 32
Save
Address Of HVAC/Mix Controller
Subnet ID: 1
Device ID: 33
Save
Product Picture


Smart Hotel System - V1.22
Property Set
Hotel Bedside - Bedside1
Devices List
General
Light Control
Mood for Power On
Curtain Control
Command information
All On/Off
Read
Watch TV
Command from: 1 to 20
Read
ID | Subnet ID | Device ID | Type | Parameter1 | Parameter2 | Parameter3
1 | 1 | 33 | Single Channel Lighti... | 1(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
2 | 1 | 33 | Single Channel Lighti... | 2(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
3 | 1 | 33 | Single Channel Lighti... | 3(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
4 | 1 | 33 | Single Channel Lighti... | 4(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
5 | 1 | 33 | Single Channel Lighti... | 5(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
6 | 1 | 33 | Single Channel Lighti... | 6(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
7 | 1 | 33 | Single Channel Lighti... | 7(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
8 | 1 | 33 | Single Channel Lighti... | 8(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
9 | 1 | 33 | Single Channel Lighti... | 9(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
10 | 1 | 33 | Single Channel Lighti... | 10(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
11 | 1 | 33 | Single Channel Lighti... | 11(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
12 | 1 | 33 | Single Channel Lighti... | 12(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
13 | 1 | 33 | Single Channel Lighti... | 13(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
14 | 1 | 33 | Single Channel Lighti... | 14(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
15 | 1 | 33 | Single Channel Lighti... | 15(Cannel No.) | 100(Intensity %) | 0:0(Running time(mm...
16 | 1 | 33 | Invalid | N/A | N/A | N/A
301
311
321
310
320
330
Status: USB card encoding device has not been successfully connected!
start
12:10 PM





20. Hotel Bedside Controller Settings

Connect Card encoder device to your computer by USB, it does not request any driver.