Manual for SMART-BUS IPHONE App PRO

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SMART-BUS IPHONE App version required: PRO V2.0 Apr 28, 2013 or above

1. Download & Install SMART-BUS IPHONE App from Apple Store 4
2. Install software “SQLite Expert Personal” on your computer..... 4
3. Getting the database file “Database.sqlite3” 5
    3.1 get Database file by iTools..... 5
    3.2 change database by FTP 8
4. Open File Database.sqlite3..... 15
5. Zone Settings 18
    5.1 Add Zone..... 28
    5.2 Modify Zone..... 29
    5.3 Delete zone 30
6. Systems in Zone 30
7. Lights in Zone..... 33
    7.1 Add light 1 “surround” , ... 34
    7.2 Modify Light of zone 35
    7.2 Set “CanDim” value as 2 35
8. AC in Zone 36
    8.1 Add more AC in one zone 37
9. Z-Audio Settings 38
10. Media in Zone 39
    10.1 TV..... 39
    10.2 Apple TV 41
    10.3 DVD 44
    10.4 Projector..... 46
    10.5 SAT. /Cable 47
11. Shades in Zone..... 49
    11.1 System settings if has shade in zone..... 50
    11.2 Add shades to the Zone select table ShadesInZone..... 51
    11.3 Commands for the shade..... 52
12. Mood Recording in Zone 58
    12.1 Record New Mood 58
    12.2 Edit Existed Mood 66
    12.3 Delete existed mood 71
13. Macro Buttons 71
    13.1 Add Macro button 71

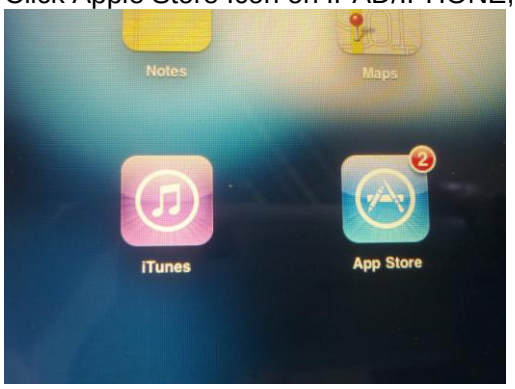
13.2 Add commands for macro button 74
14. Security 75
15. Camera 77
15.1 Web camera 77
15.2 Camera from Foscam 78
15.2.1 Adding video code type mjpeg camera Press 81
15.2.2 Adding video code type is H264 camera 82
15.2.3 Edit camera 84
16. Central control lights 84
16.1 Add central control light 84
16.2 Add commands for control lights 85
17 Fan 85
17.1 Add fan system in table 'SystemInZone' 86
17.2 Add Fan control Module to FanInZone 86
20. Download database to IPHONE/IPAD from FTP Server 87

S/N	TABLE OF CONTENT
1	Download & Install SMART-BUS IPHONE App from Apple Store
2	Install software "**SQLite Expert Personal"** on your computer

3	Getting the database file “Database.sqlite3”
3.1	Change the database by iTools
4	Open File Database.sqlite3
5	Zone Settings
6	Systems in Zone
7	Lights in Zone
7.1	Add LED light
8	AC in Zone
8.1	Add many AC
9	Z-Audio Settings
10	Media in Zone
10.1	**TV**
10.2	**Apple TV**
10.3	**DVD**
10.4	**Projector**
10.5	**SAT. /Cable**
11	Shades in Zone
11.1	System settings if has shade in zone
11.2	Add shades to the Zone
11.3	Commands for the shade
12	Mood Recording in Zone
13	Macro buttons
14	Security
15	Camera
15.1	Web Camera
15.2	Camera from Foscam
16	Central control lights
17	Fan
20	Download database to IPHONE/IPAD from FTP Server

1. Download & Install SMART-BUS IPHONE App from Apple Store

SMART-BUS IPHONE App is available on Apple Store,
Click Apple Store Icon on IPAD/IPHONE,



Search the keyword “smart G4”

Click the button INSTALL above

2. Install software “SQLite Expert Personal” on your computer

If you don’t have SQLite software, it is available on www.smarthomebus.com website, here is the link:

http://smarthomebus.com/dealers/Softwares/SQLiteExpertPersSetup%20for%20windows.exe

Download and install it on your computer

3. Getting the database file “Database.sqlite3”

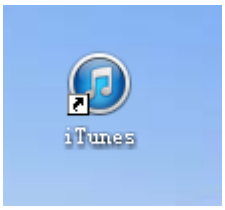
if you are first time program the Smart-BUS IPHONE app or don’t have the database for smart-bus IPHONE app, you can take the database from Smart-BUS IPHONE app,

3.1 **get Database file by iTools**

3.1.1 Download itunes from Apple
http://www.apple.com.cn/itunes/download/

3.1.2 Installing itunes on computer
Double click iTunesSetup.exe

When finished you will see the Icon of iTunes on your PC desktop



3.1.3 Download iTools
http://itools.hk/

3.1.4 Installing iTools on computer

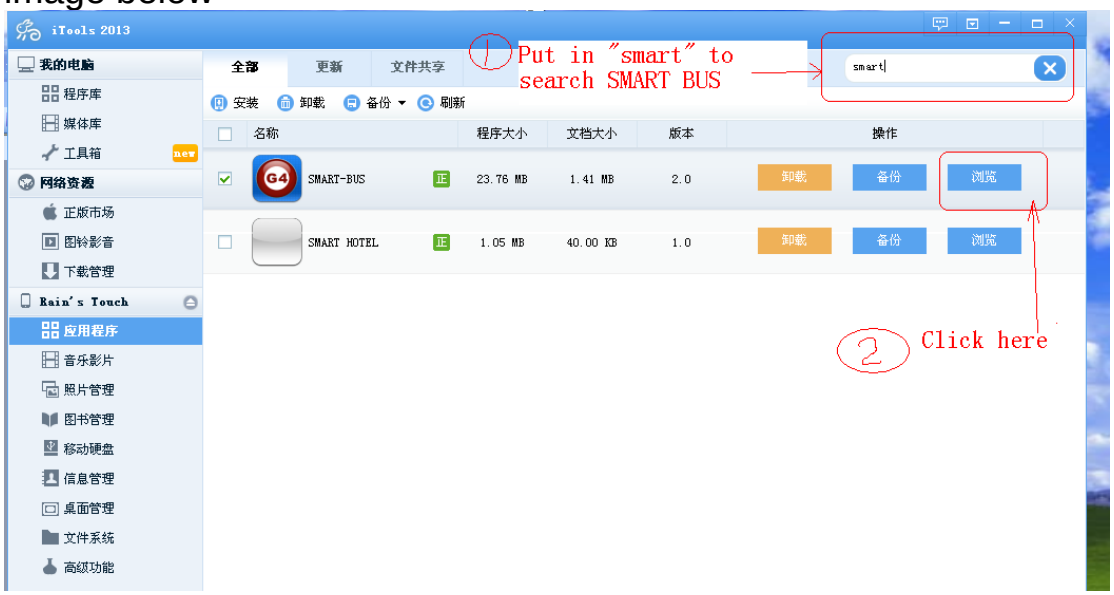
Double click iToolsSetup0509.exe

3.1.5 Change database with iTools

Connecting your iPhone/iPad to your Computer with line

Your iTools will be starting and you will see the view like the image below

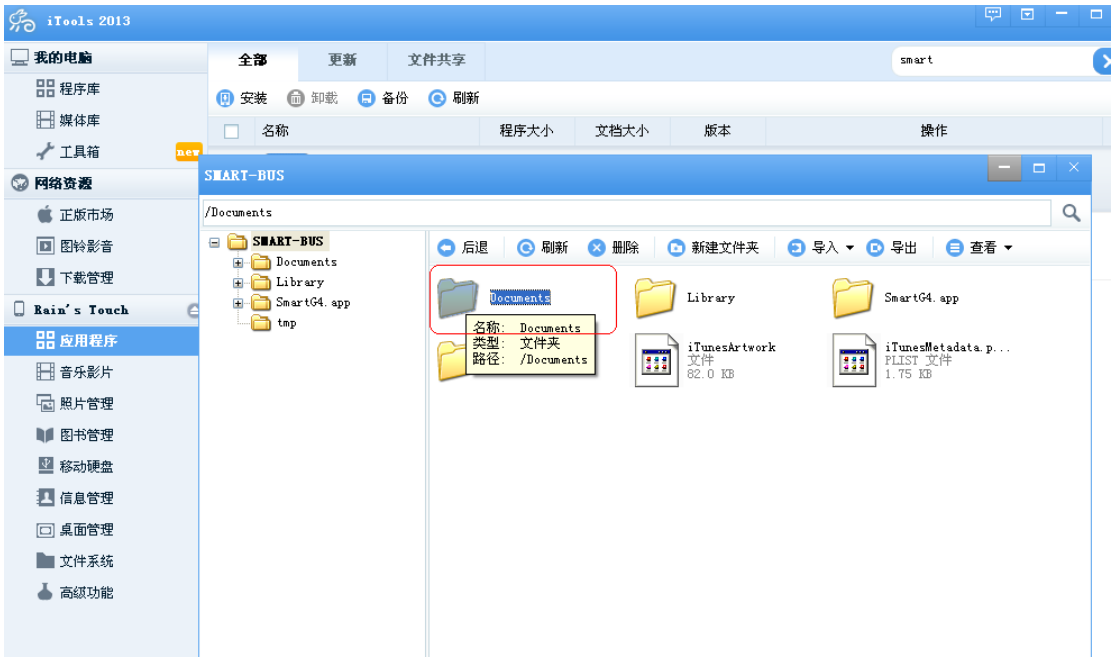
Click the apps as the image show, then your will see the view as the image below



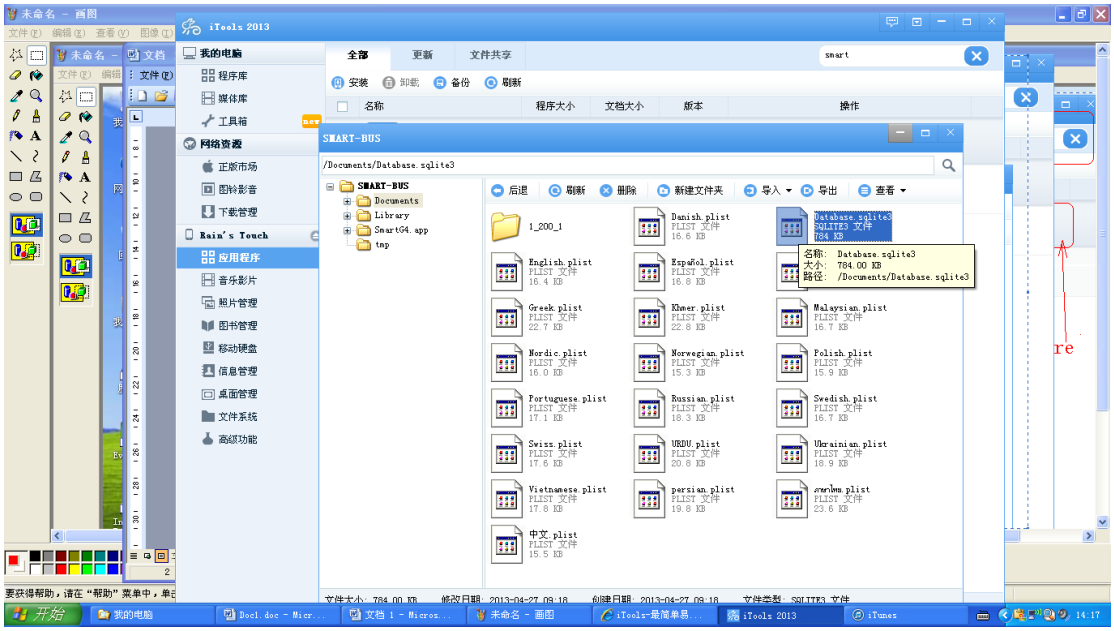
Input "smart " in the search bar

Click the last button as the above image show step 2

You will see the view as below



DoubleClick the folder“Documents”, you will see the view as the image below:

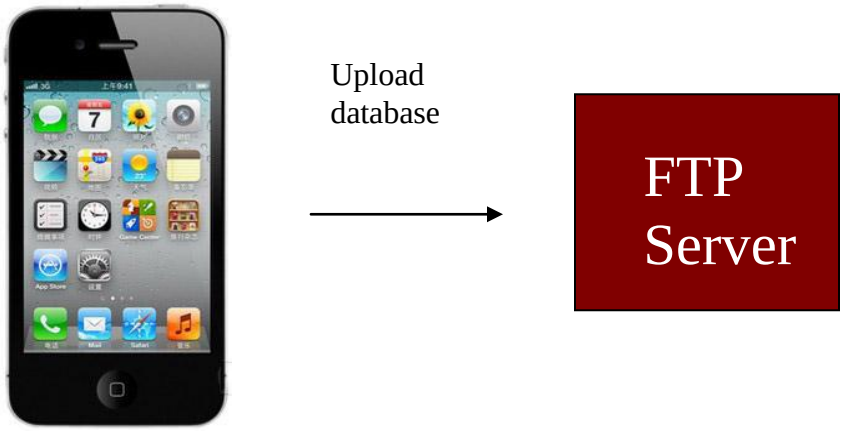


Then you will see the file “Database.sqlite3”,

Now your can copy the Database.sqlite3 to your computer or copy it to your iPhone/iPad by draging.

Notice: The Database file'name should be "Database.sqlite3"

3.2 change database by FTP



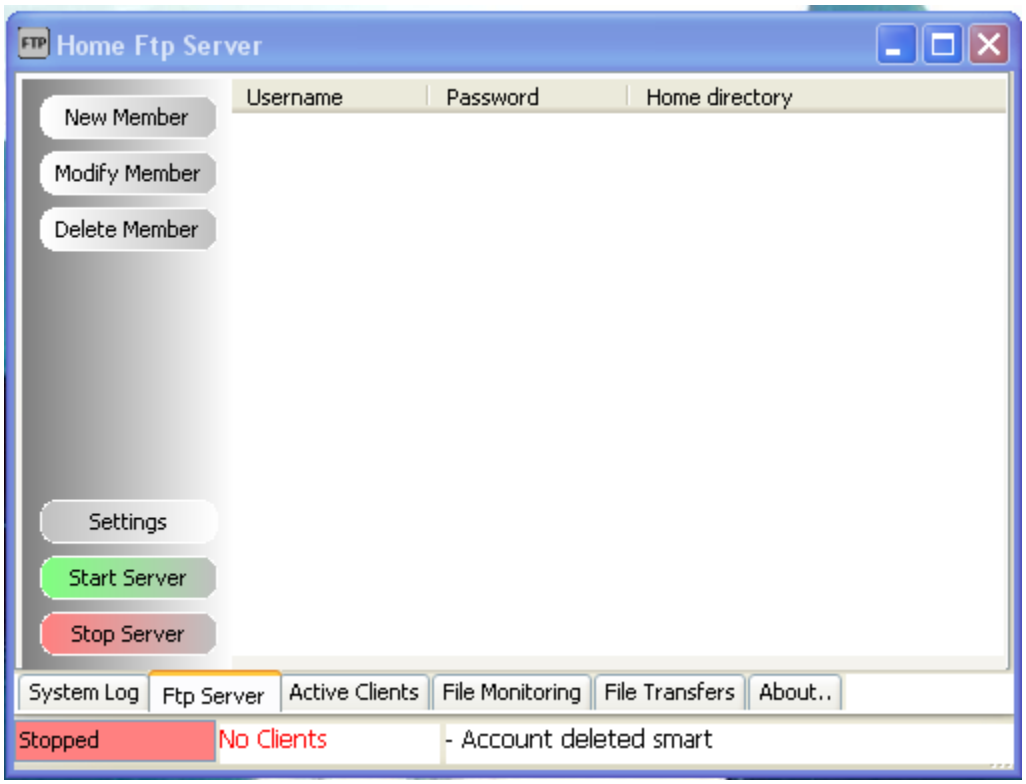
Step 1: Install FTP software on your computer

The FTP software is available from the link below:
http://smarthomebus.com/dealers/Softwares/HomeFtpServerInstall.exe

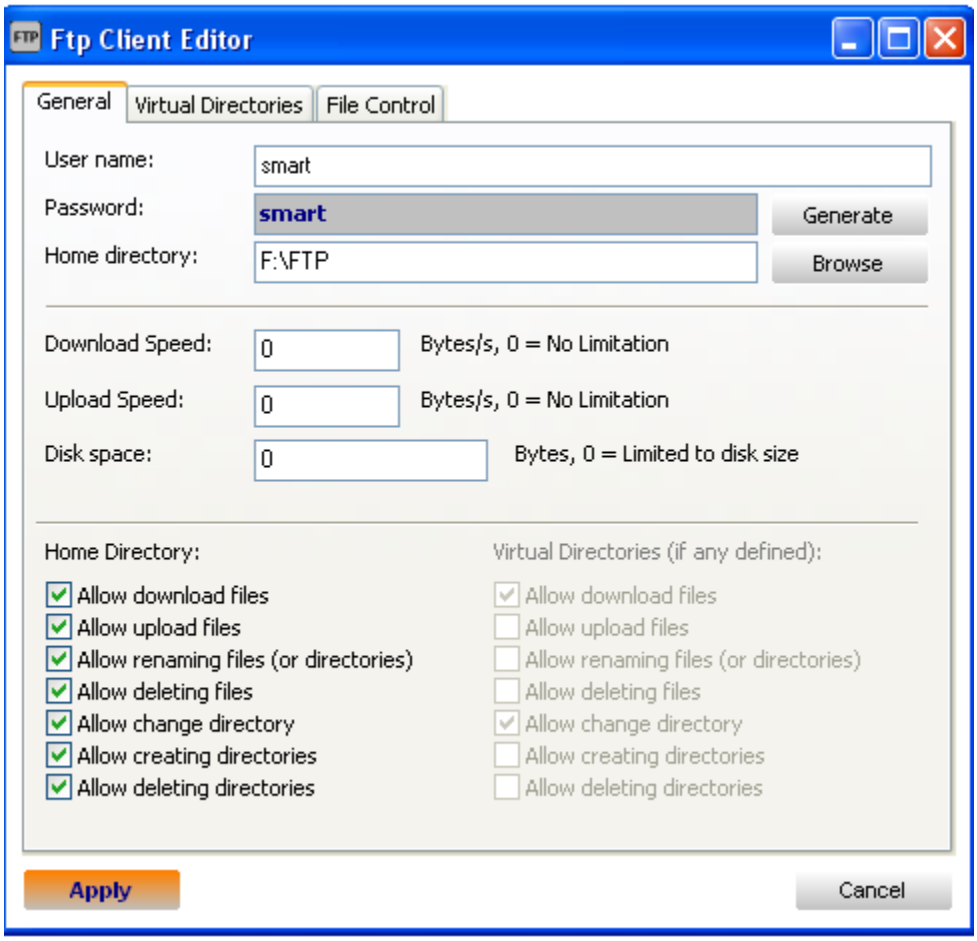
After download just install it.

Step 2: Setup FTP Server

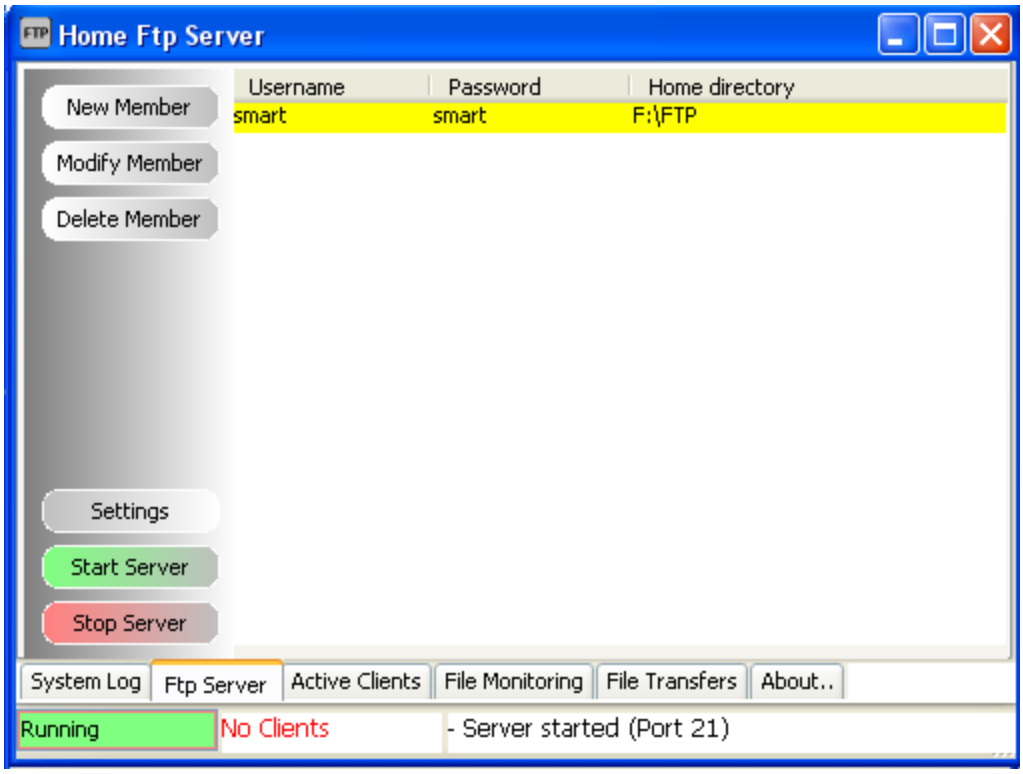
Run the FTP software on desktop


Home Ftp Server
New Member
Modify Member
Delete Member
Settings
Start Server
Stop Server
Username
Password
Home directory
System Log
Ftp Server
Active Clients
File Monitoring
File Transfers
About..
Stopped
No Clients
- Account deleted smart

Click the button **New Member**



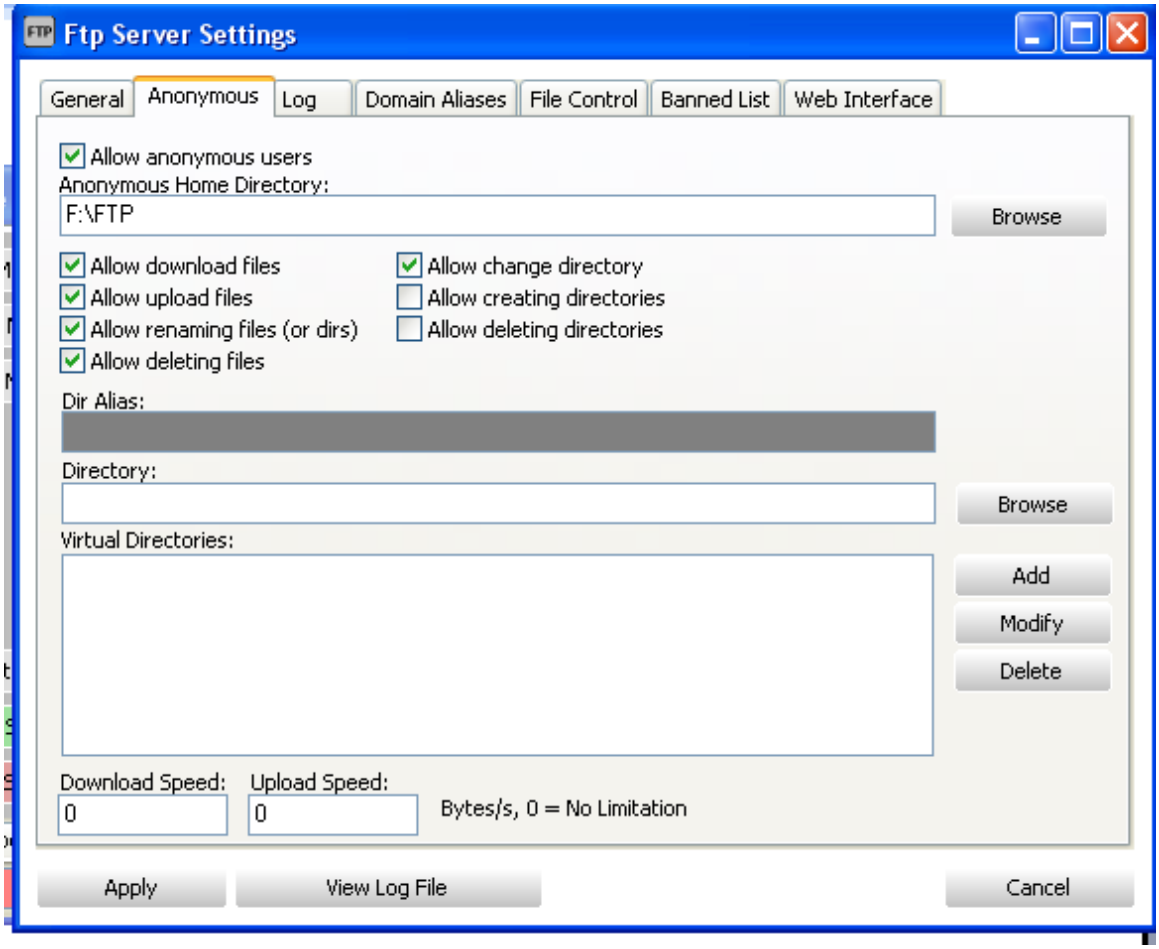
Input the username: smart
Password: smart
Choose Home directory,
Then click button **Apply**



Click the button **Start Server**, if the server is started, the text **Running** is shown on the status bar.

Click button **Settings**

Select **Anonymous**

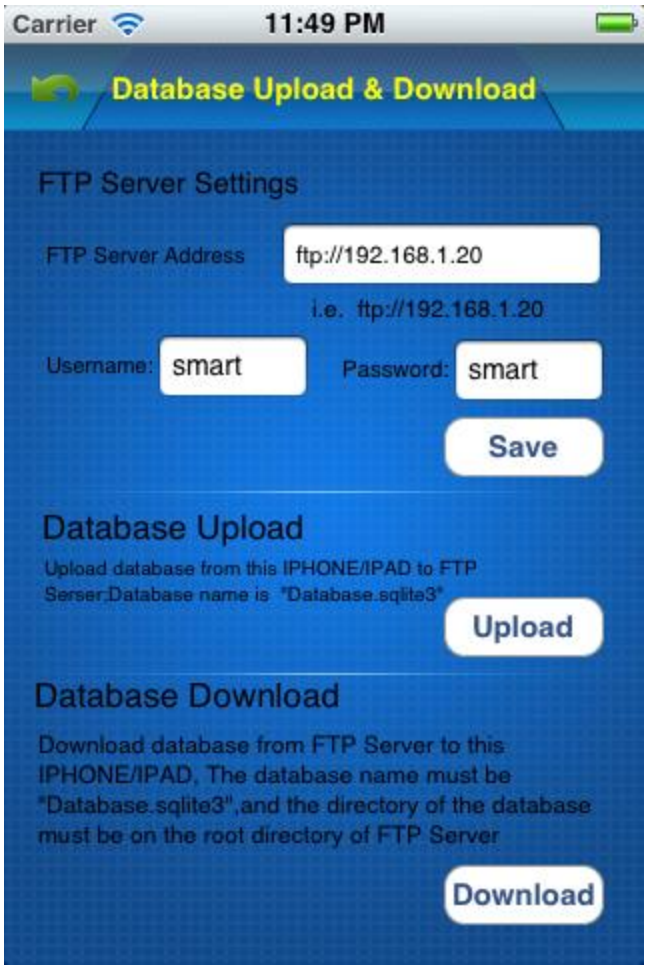


Select the directory of FTP,
check Allow download files
Check Allow deleting files and so on like above.

Step 3: Upload database to FTP Server
To go to settings page, click the G4 icon on top right corner on main page

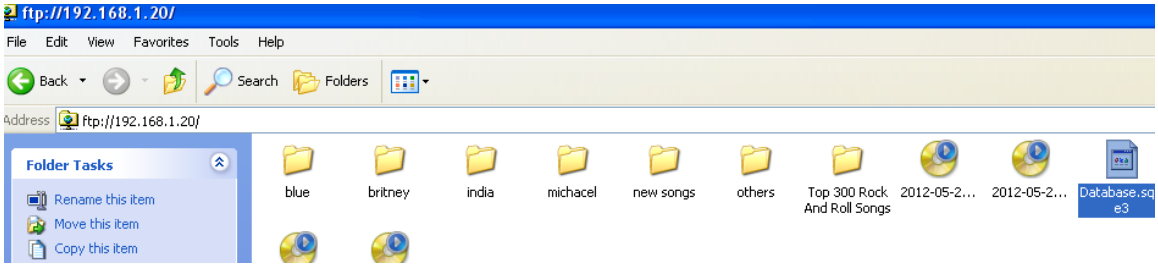
Click the button **Database Upload & Download**

Input FTP Server Address and username and password like the below, then click button **Save**



Click button **Upload** above

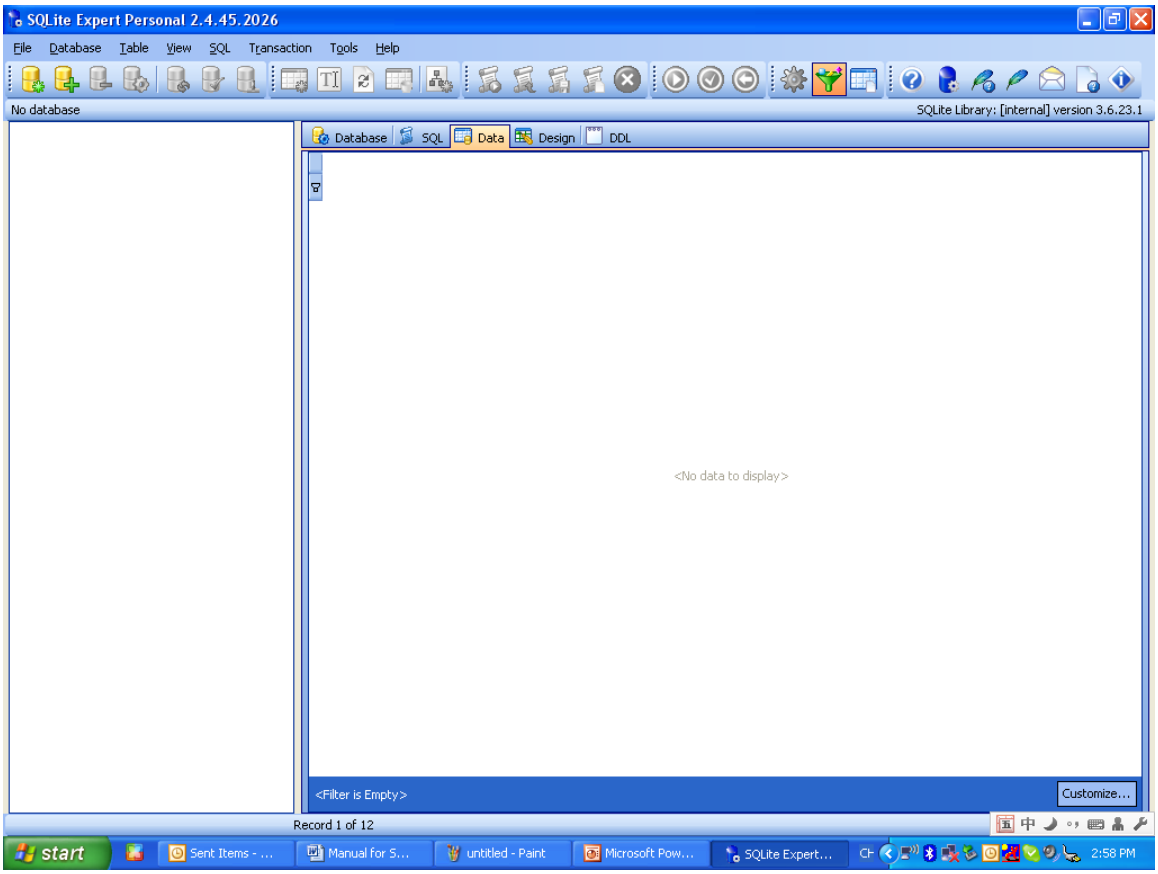
On FTP server, the file Database.sqlite3 is found when the uploading is done.



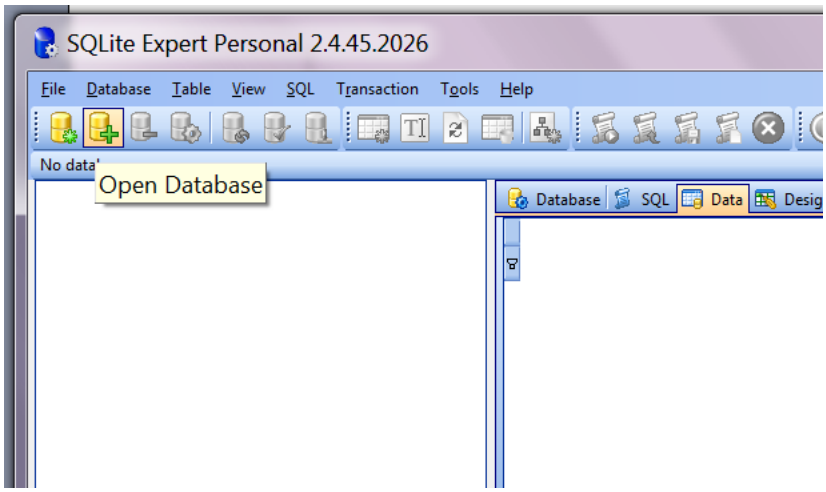
4. Open File Database.sqlite3

Before making any modification, Backup database is highly recommended

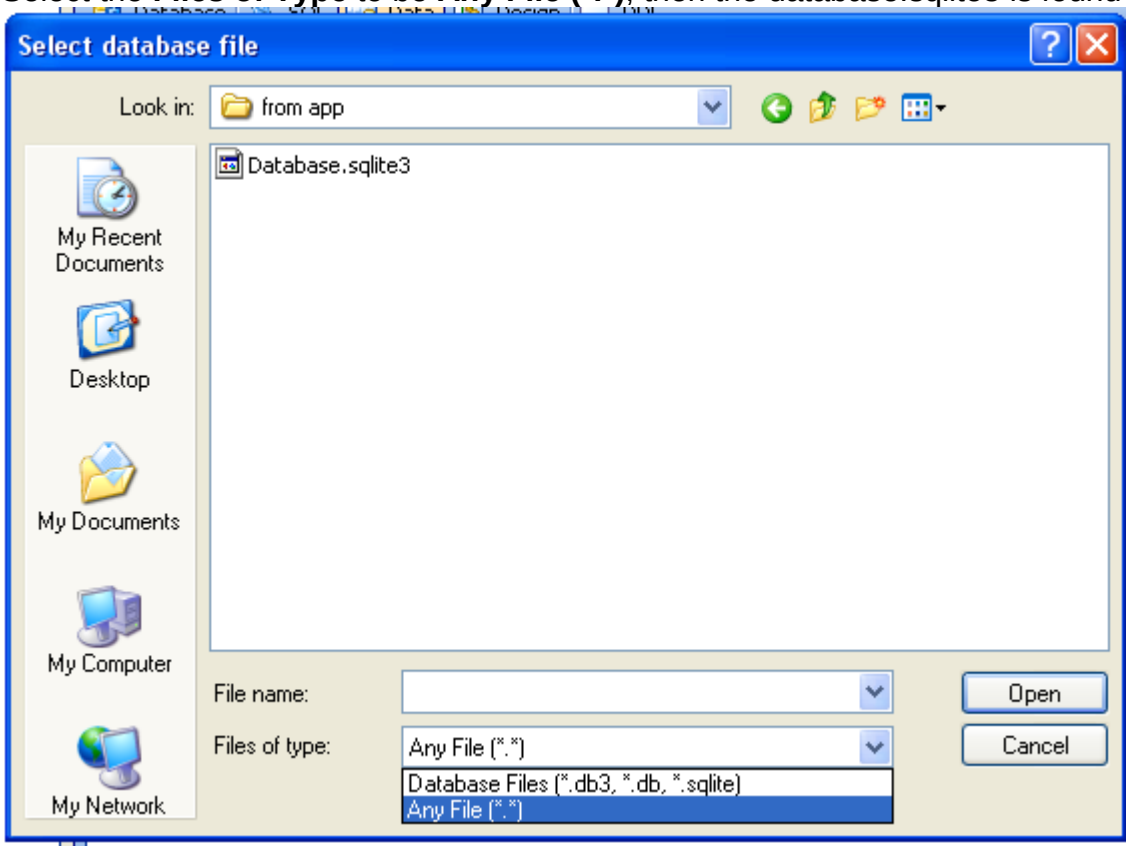
run SQLite software on your computer desktop



Click the button “Open Database” on the toolbar

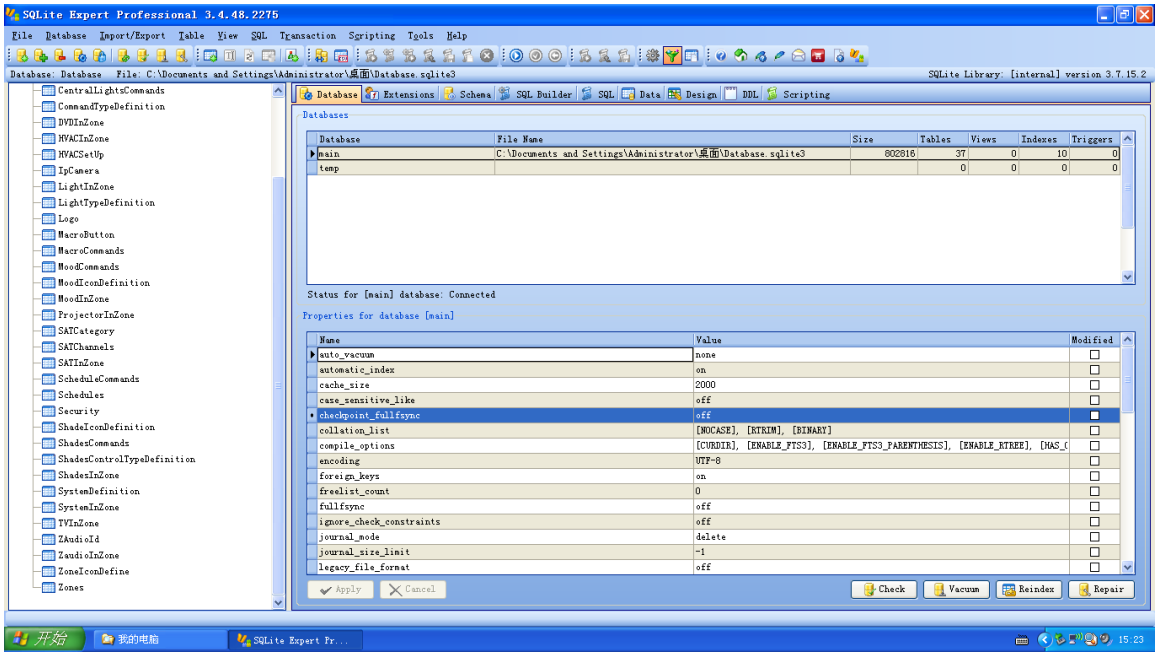


Select the **Files of Type** to be **Any File (*.*)**, then the database.sqlite3 is found



Open the file “Database.sqlite3”

The tables of this database is shown below:



From now on, you can start to configure the SMART-BUS IPHONE App.

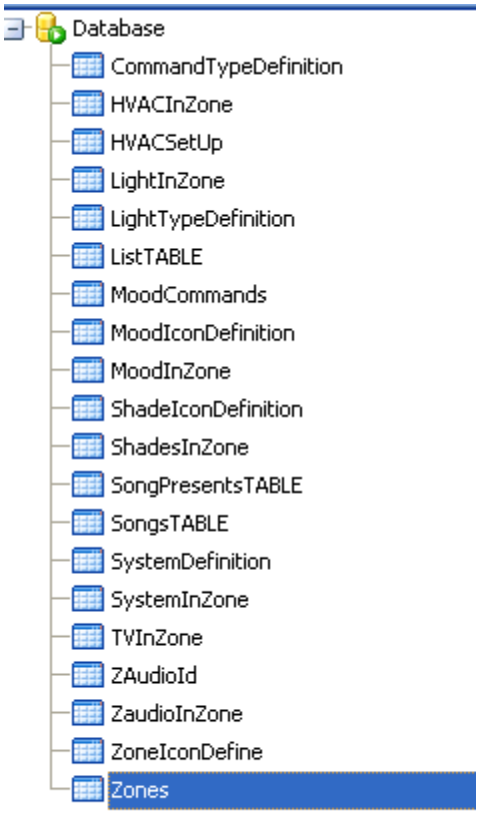
5. Zone Settings

Important Note:

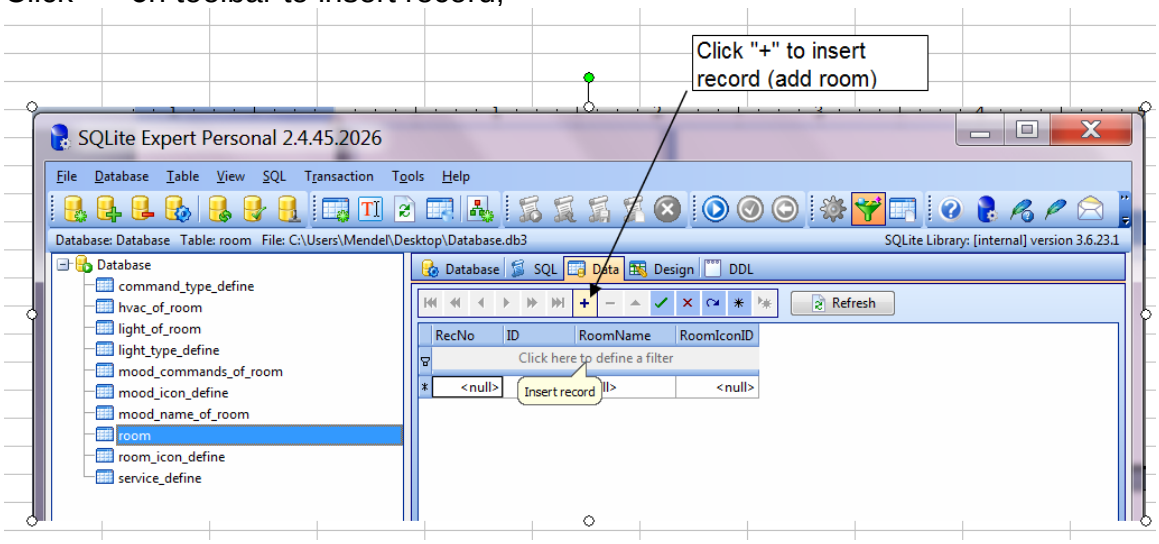
When you are configuring the database, please do not change the structure of database.
For example:

Do not delete any table
Do not change any table name
Do not add/change/delete any fields of tables
we just need to add/edit/delete data on the tables.

Select the table “Zone”



Click “+” on toolbar to insert record,



Here the fields of table Zone:

Field Name	Remark	Value
ZoneID	**This is the ID of Zone, every zone has unique ZoneID.**	It’s number, Start from 1

	I	
ZoneName	this is zone name, zone name can not be null, the max. Length of zone name is 15 letters. it will be shown on the zone list of main page	Letters
ZoneIconID	This is the ID of Zone Icon; each ID stands for one icon. please see the definition below	from 0 to 15
SequenceNo	This is the display order	Start from 1

The definition of Zone Icon

ZoneIcon No	Icon names	Icons
1	livingroom	
2	bedroom	
3	meetingroom	
4	kitchenroom	
5	gardenroom	

6	parkingroom	
7	Gymroom	
8	masterroom	
9	myselfroom	
10	diningroom	
11	toiletroom	
12	studyroom	

13	stairsroom	
14	demokit	
15	Showroom	
16	TEST	
17	formal	
18	entranceRoom	

19	Liveingroom2	
20	Liveingroom3	
21	Liveingroom4	
22	Bedroom2	
23	Bedroom3	
24	Bedroom4	

25	Barroom1	
26	Barroom2	
27	Barroom3	
28	MeetingRoom1	
29	MeetingRoom2	

30	Bedroom7	
31	Bedroom8	
32	Bedroom9	
33	Bedroom10	
34	Bedroom11	
35	Bedroom12	

36	Bedroom13	
37	Bedroom14	
38	Bedroom15	
39	LivingRoom5	
40	LivingRoom6	
41	LivingRoom7	

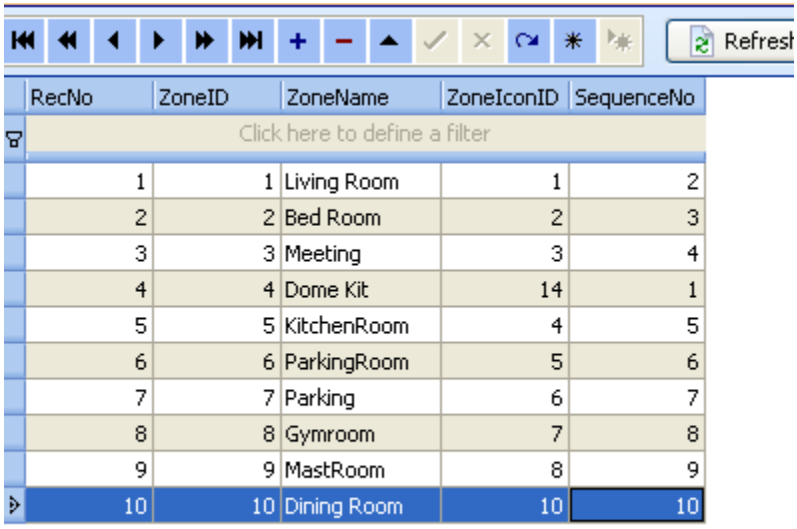
42	LivingRoom8	
43	KitchenRoom1	
44	KitchenRoom2	
45	KitchenRoom3	
46	KitchenRoom4	
47	KitchenRoom5	

48	Stairs1	
49	Stairs2	
50	Entrance	
51	BedRoom16	

Here are the examples:

5.1 Add Zone

ZoneID=10
ZoneName=Dining Room,
ZoneIconID=10 (check the definition "**ZoneIconID**" above)
SequenceNo=10

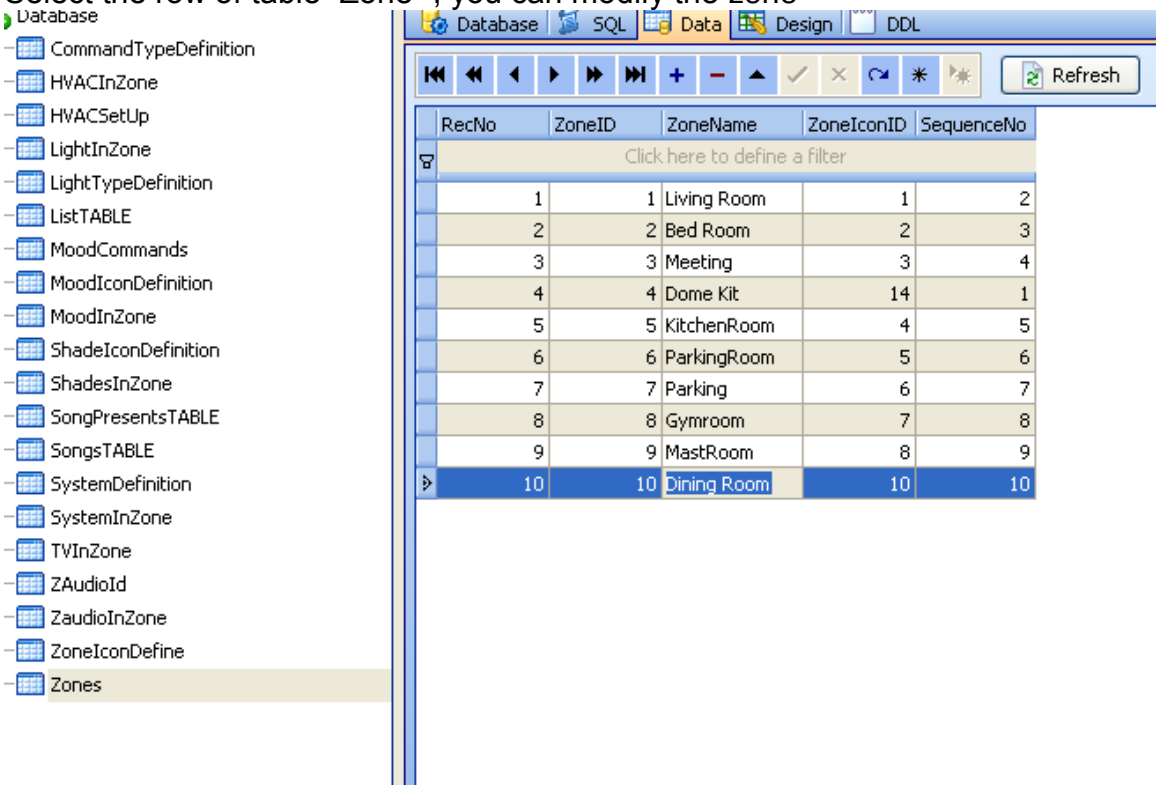


RecNo	ZoneID	ZoneName	ZoneIconID	SequenceNo
1	1	Living Room	1	2
2	2	Bed Room	2	3
3	3	Meeting	3	4
4	4	Dome Kit	14	1
5	5	KitchenRoom	4	5
6	6	ParkingRoom	5	6
7	7	Parking	6	7
8	8	Gymroom	7	8
9	9	MastRoom	8	9
10	10	Dining Room	10	10

If you want to add more zones, just do it the same as above.

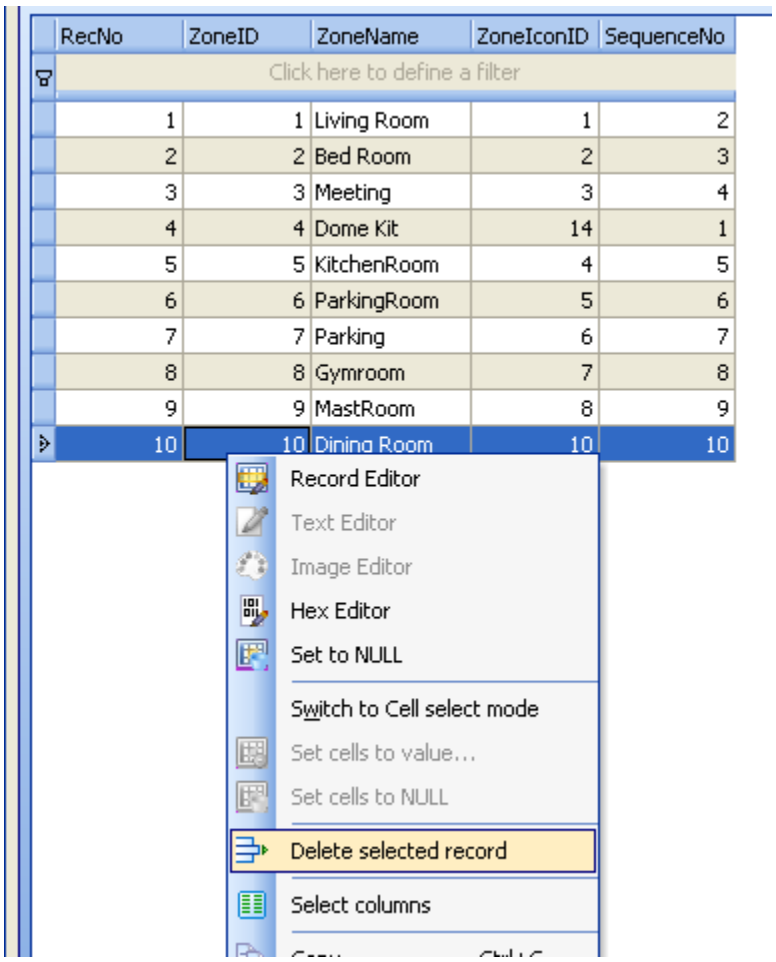
5.2 Modify Zone

Select the row of table “Zone” , you can modify the zone



RecNo	ZoneID	ZoneName	ZoneIconID	SequenceNo
1	1	Living Room	1	2
2	2	Bed Room	2	3
3	3	Meeting	3	4
4	4	Dome Kit	14	1
5	5	KitchenRoom	4	5
6	6	ParkingRoom	5	6
7	7	Parking	6	7
8	8	Gymroom	7	8
9	9	MastRoom	8	9
10	10	Dining Room	10	10

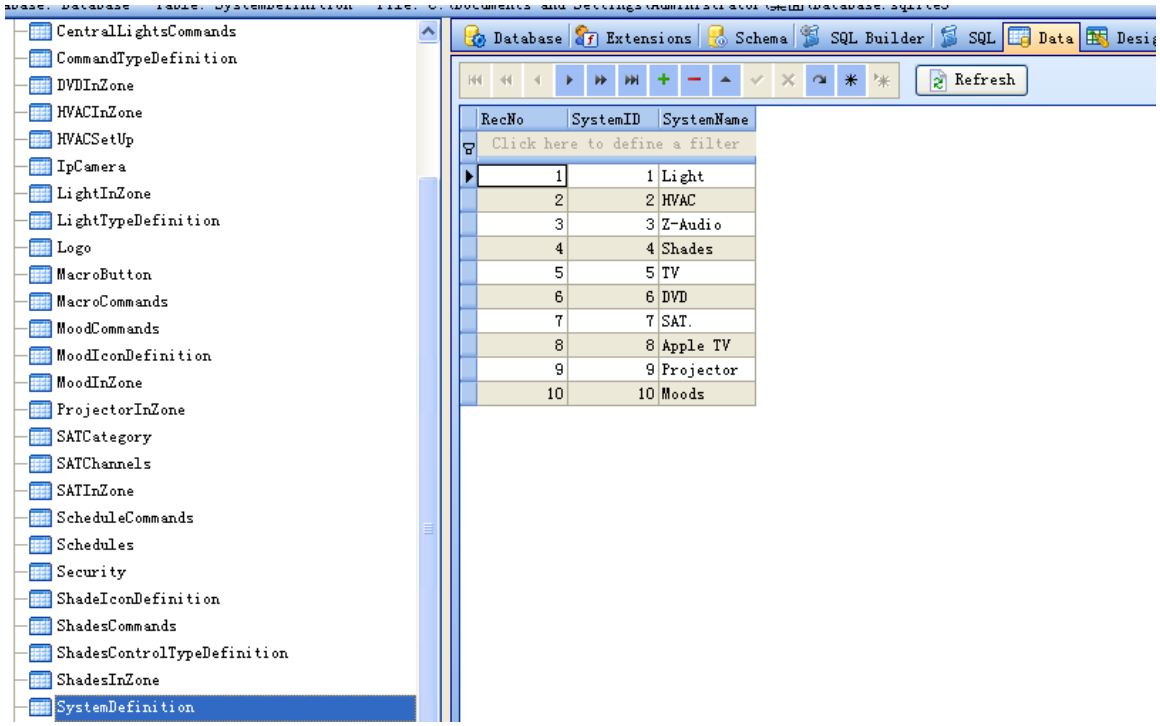
5.3 Delete zone



RecNo	ZoneID	ZoneName	ZoneIconID	SequenceNo
Click here to define a filter				
1	1	Living Room	1	2
2	2	Bed Room	2	3
3	3	Meeting	3	4
4	4	Dome Kit	14	1
5	5	KitchenRoom	4	5
6	6	ParkingRoom	5	6
7	7	Parking	6	7
8	8	Gymroom	7	8
9	9	MastRoom	8	9
10	10	Dining Room	10	10

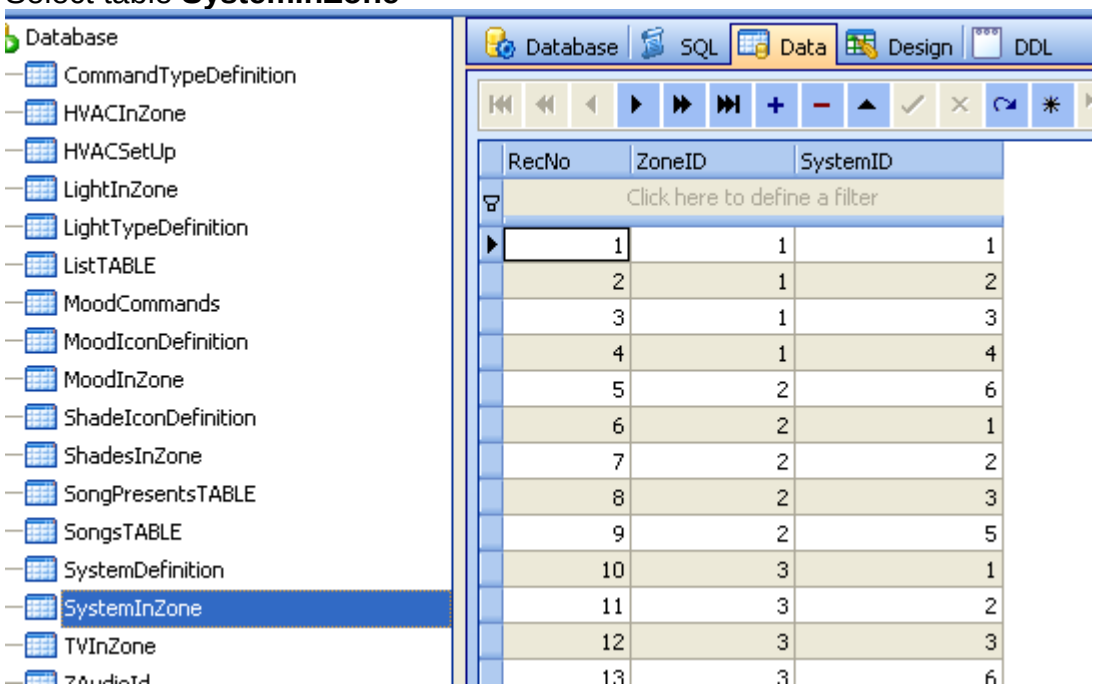
6. Systems in Zone

Systems definition



What systems does it have in each zone?
It can be configured according to the real situation of your project

Select table **SystemInZone**



ZoneID: from the table **Zones**, you can know the ZoneID from each Zone.
SystemID: from the table **SystemDefinition**, you can know the SystemID for each system.

Add the systems that you have to each zone

For example:
In the Living room, it has lights, HVAC, Z-Audio, Shade,
from the table **Zones**, we know the ZoneID is 1
from the table **SystemDefinition,** we know the **SystemID** as below:

Light=1
HVAC=2
Z-Audio=3
Shades=4
TV=5
DVD=6
SAT. =7
Apple TV=8
Projector=9
Moods=10

So the data will be added to the table **SystemInZone** as below:

RecNo	ZoneID	SystemID
Click here to define a filter		
1	1	1
2	1	2
3	1	3
4	1	4

Smart-Bus IPHONE App will show the systems of zone according to the settings of table **SystemInZone**

7. Lights in Zone

the lights of each zone are stored on the table **LightInZone**

The Field of table “LightInZone”

Field	Remark	Value
ZoneID	The ZoneID can be known from the table **Zones**	Start from 1
LightID	ID of light	Start from 1
LightRemark	Light remark	
SubnetID	Address of Dimmer / Relay	0-254
DeviceID		0-254
ChannelNo	Channel no of light	0-254
CanDim	Light Type if the light can be dimmed, it equal 1 , if the light can not be dimmed, it equal 0,if it is LED Driver it equal 2	0 : Dimmable 1 : not Dimmable 2 : LED light
LightTypeID	Some different light icons are available, please the definition below	1-3
SequenceNo	It’s the display order of lights	Start from 1

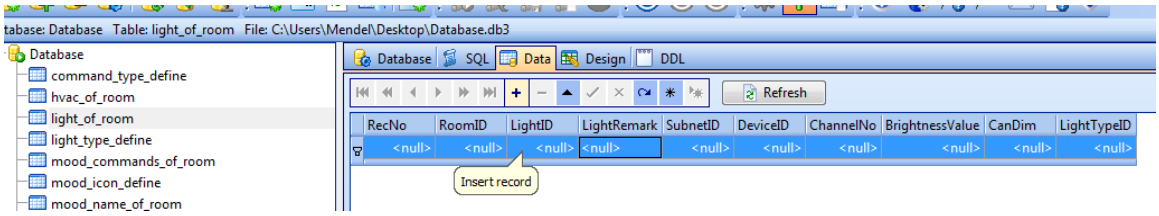
The definition of LightTypeID

LightTypeID	Light icon names	Icons
1	incandescent	
2	Spotlight	

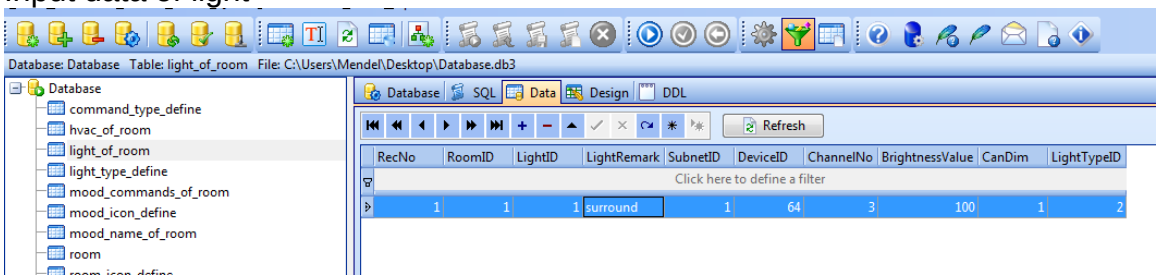
3	Fluorescent	
4	Chandelier	
5	Desklight	
6	LED	

7.1 Add light 1 “surround” ,

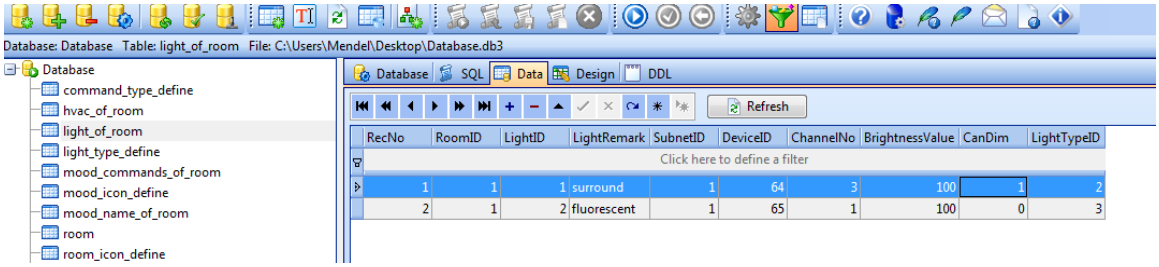
Press



Input data of light

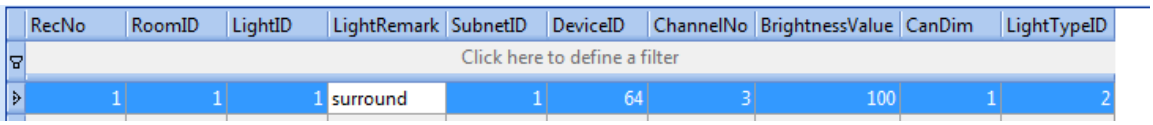


Add light 2 “fluorescent”

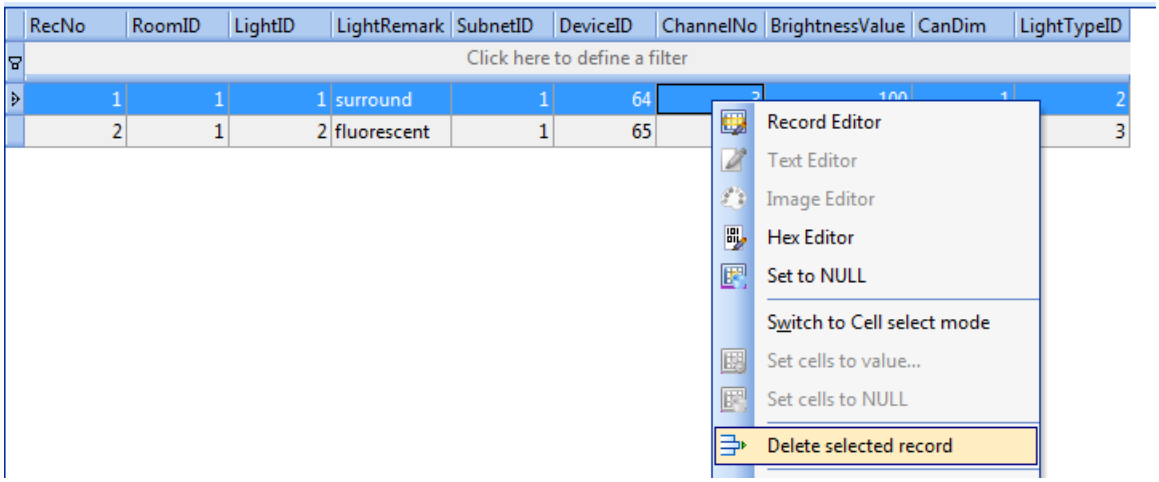


Limitless lights can be added to the zone.

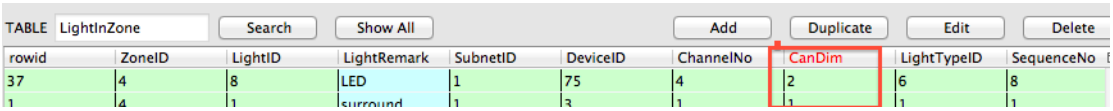
7.2 Modify Light of zone



Delete the light of zone
Select the row that you want to delete, right click and select “Delete selected record”



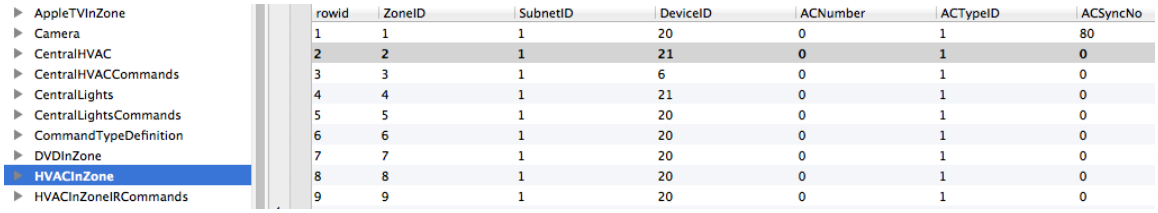
7.2 Set “CanDim” value as 2



To know what’s CanDim look up “The Field of table “LightInZone” “ above.

8. AC in Zone

Select the table **HVACInZone**



rowid	ZoneID	SubnetID	DeviceID	ACNumber	ACTypeID	ACSyncNo
1	1	1	20	0	1	80
2	2	1	21	0	1	0
3	3	1	6	0	1	0
4	4	1	21	0	1	0
5	5	1	20	0	1	0
6	6	1	20	0	1	0
7	7	1	20	0	1	0
8	8	1	20	0	1	0
9	9	1	20	0	1	0

Filed of table **HVACInZone**

Field	Remark	Value
ZoneID	ZoneID is defined in the table **Zones**	
SubnetID	Address of HVAC / DDP	1-254
DeviceID		1-254
ACNumber	To mark which AC in one zone	Scope: HVAC 1-9 By IR 1-5 1 = manager AC
ACTypeID	Flag for type of AC	0 = By HVAC 1 = By IR
ACSyncNo	If the AC Have the same number they will sync status. If one changed others will change to the same status.	Scope:1-254

Others settings
Select the table **HVACSetUp**

Field of table HVACSetup

Field	Remark	Value
IsCelsiur	Celsius=true Fahrenheit=false	True /False
TempertureOfCold	it's for most common	Number

	button of cold	
TempertureOfCool	it's for most common button of cool	Number
TempertureOfWarm	it's for most common button of warm	Number
TempertureOfHot	it's for most common button of Hot	Number

8.1 Add more AC in one zone

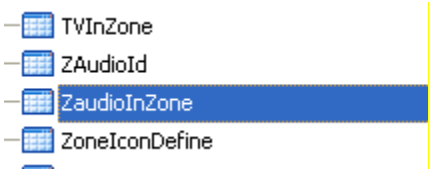
A、 To add more AC in database see **8. AC in Zone**

B、 Click the button at front of zone temperature to choose the AC

C、To turn on/off all AC by DDP using Macro Button Set Command as below
CommandTypeID:10(Panel control+)
FirstParameter: 18(Invoking DDP Button)
SecondParameter:33 (DDP to control all AC on/off)
ThirdParameter: 0=All AC off 1 = All AC On

9. Z-Audio Settings

Select the table **ZaudioInZone**



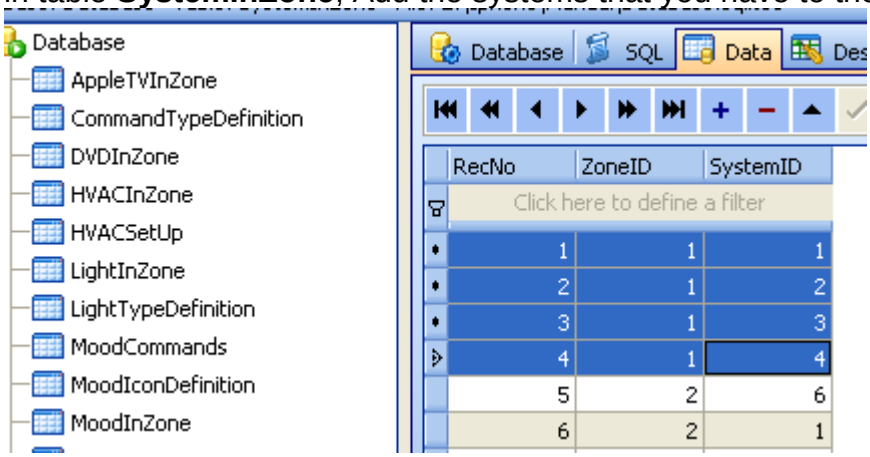
Add the address of z-audio to the table **ZaudioInZone**

RecNo	ZoneID	SubnetID	DeviceID
Click here to define a filter			
1	1	1	200
2	2	1	31

10. Media in Zone

Media includes TV, Apple TV, DVD, Projector, SAT., each device has separated page, and each page can be shown or hidden.

in table **SystemInZone**, Add the systems that you have to the zone.



System definition:

RecNo	SystemID	SystemName
Click here to define a filter		
1	1	Light
2	2	HVAC
3	3	Z-Audio
4	4	Shades
5	5	TV
6	6	DVD
7	7	SAT.
8	8	Apple TV
9	9	Projector

10.1 TV

10.1.1. System Settings if has TV in the Zone

Suppose to the zone ID=3
If you have TV in the zone, you need to add it to table **SystemInZone**
The SystemID of TV is: 5

RecNo	ZoneID	SystemID
Click here to define a filter		
7	2	1
8	2	2
9	2	3
10	2	5
11	3	1
12	3	2
13	3	3
14	3	6
15	3	5
16	3	7
17	3	8
18	3	9
19	4	1
20	4	2

10.1.2. TV Settings in Zone

Select table **TVInZone**

Index	Name	Declared Type	Type
1	ZoneID	INT	INT
2	SubnetID	INT	INT
3	DeviceID	INT	INT
4	UniversalSwitchIDforOn	INT	INT
5	UniversalSwitchStatusforOn	INT	INT
6	UniversalSwitchIDforOff	INT	INT
7	UniversalSwitchStatusforOff	INT	INT
8	UniversalSwitchIDforCH+	INT	INT
9	UniversalSwitchIDforCH-	INT	INT
10	UniversalSwitchIDforVOL+	INT	INT
11	UniversalSwitchIDforVOL-	INT	INT
12	UniversalSwitchIDforMute	INT	INT
13	UniversalSwitchIDforMenu	INT	INT
14	UniversalSwitchIDforSource	INT	INT
15	UniversalSwitchIDforOK	INT	INT

Subnet ID, Device ID: Address of IR Emitter / 9in 1 sensor

Input the Universal ID for the following item:

UniversalSwitchIDforOn
UniversalSwitchStatusforOn
UniversalSwitchIDforOff
UniversalSwitchStatusforOff
UniversalSwitchIDforCH+
UniversalSwitchIDforCH-
UniversalSwitchIDforVOL+
UniversalSwitchIDforVOL-
UniversalSwitchIDforMute
UniversalSwitchIDforMenu
UniversalSwitchIDforSource
UniversalSwitchIDforOK

RecNo	ZoneID	SubnetID	DeviceID	UniversalSwitchIDforOn	UniversalSwitchStatusforOn	UniversalSwitchIDforOff	UniversalS
Click here to define a filter							
1	1	1	50	1	255	1	
2	2	1	2	1	255	1	
3	3	1	2	1	255	1	
4	4	1	2	1	255	1	
5	5	1	2	1	255	1	
6	6	1	2	1	255	1	
7	7	1	2	1	255	1	
8	8	1	2	1	255	1	
9	9	1	2	1	255	1	

10.2 Apple TV

10.2.1 System Settings if has Apple TV in the Zone

Suppose to the zone ID=3
if you have Apple TV in the zone, you need to add it to table **SystemInZone**
The SystemID of Apple TV is: 8

RecNo	ZoneID	SystemID
Click here to define a filter		
7	2	1
8	2	2
9	2	3
10	2	5
11	3	1
12	3	2
13	3	3
14	3	6
15	3	5
16	3	7
17	3	8
18	3	9
19	4	1
20	4	2

10.2.2. Apple TV Settings in the Zone

Select table **AppleTVInZone**

Database | SQL | Data | Design | DDL

Table name: AppleTVInZone

Fields | Indexes | Foreign Keys | Constraints

Index	Name	Declared Type	T
1	ZoneID	INT	IN
2	SubnetID	INT	IN
3	DeviceID	INT	IN
4	UniversalSwitchIDforOn	INT	IN
5	UniversalSwitchStatusforOn	INT	IN
6	UniversalSwitchIDforOff	INT	IN
7	UniversalSwitchStatusforOff	INT	IN
8	UniversalSwitchIDforUp	INT	IN
9	UniversalSwitchIDforDown	INT	IN
10	UniversalSwitchIDforLeft	INT	IN
11	UniversalSwitchIDforRight	INT	IN
12	UniversalSwitchIDforOK	INT	IN
13	UniversalSwitchIDforMenu	INT	IN
14	UniversalSwitchIDforPlayPause	INT	IN

Subnet ID, Device ID: Address of IR Emitter / 9in 1 sensor
Input the Universal ID for the following item:

4	UniversalSwitchIDforOn	I
5	UniversalSwitchStatusforOn	I
6	UniversalSwitchIDforOff	I
7	UniversalSwitchStatusforOff	I
8	UniversalSwitchIDforUp	I
9	UniversalSwitchIDforDown	I
10	UniversalSwitchIDforLeft	I
11	UniversalSwitchIDforRight	I
12	UniversalSwitchIDforOK	I
13	UniversalSwitchIDforMenu	I
14	UniversalSwitchIDforPlayPause	I

10.3 DVD

10.3.1. System Settings if has DVD in the Zone

Suppose to the zone ID=3
if you have DVD in the zone, you need to add it to table **SystemInZone**
The SystemID of DVD is: 6

RecNo	ZoneID	SystemID
Click here to define a filter		
7	2	1
8	2	2
9	2	3
10	2	5
11	3	1
12	3	2
13	3	3
14	3	6
15	3	5
16	3	7
17	3	8
18	3	9
19	4	1
20	4	2

10.3.2. DVD Settings in the Zone

Select table **DVDInZone**

Fields | Indexes | Foreign Keys | Co

Index	Name	Decl
1	ZoneID	INT
2	SubnetID	INT
3	DeviceID	INT
4	UniversalSwitchIDforOn	INT
5	UniversalSwitchStatusforOn	INT
6	UniversalSwitchIDforOff	INT
7	UniversalSwitchStatusforOff	INT
8	UniversalSwitchIDfoMenu	INT
9	UniversalSwitchIDfoUp	INT
10	UniversalSwitchIDforDown	INT
11	UniversalSwitchIDforFastForward	INT
12	UniversalSwitchIDforBackForward	INT
13	UniversalSwitchIDforOK	INT
14	UniversalSwitchIDforPREVChapter	INT
15	UniversalSwitchIDforNextChapter	INT
16	UniversalSwitchIDforPlayPause	INT

Subnet ID, Device ID: Address of IR Emitter / 9in 1 sensor
Input the Universal ID for the following item:

RecNo	ZoneID	SubnetID	DeviceID	UniversalSwitchIDforOn	UniversalSwitchStatusforOn	UniversalSwitchIDforOff	UniversalSwitchSta
Click here to define a filter							
1	1	1	2	1	255	1	
2	2	1	2	1	0	1	
3	3	1	2	1	0	1	
4	4	1	2	1	255	1	
5	5	1	2	1	0	1	
6	6	1	2	1	0	1	
7	7	1	2	1	0	1	
8	8	1	2	1	0	1	
9	9	1	2	19	9	19	

10.4 Projector

10.4.1. System Settings if has Projector in the Zone

Suppose to the zone ID=3
if you have projector in the zone, you need to add it to table **SystemInZone**
The SystemID of projector is: 9

RecNo	ZoneID	SystemID
Click here to define a filter		
7	2	1
8	2	2
9	2	3
10	2	5
11	3	1
12	3	2
13	3	3
14	3	6
15	3	5
16	3	7
17	3	8
18	3	9
19	4	1
20	4	2

10.4.2. Projector Settings in the Zone

Select table **ProjectorInZone**

Table name: ProjectorInZone

Fields | Indexes | Foreign Keys

Index	Name
1	ZoneID
2	SubnetID
3	DeviceID
4	UniversalSwitchIDforOn
5	UniversalSwitchStatusforOn
6	UniversalSwitchIDforOff
7	UniversalSwitchStatusforOff
8	UniversalSwitchIDfoUp
9	UniversalSwitchIDforDown
10	UniversalSwitchIDforLeft
11	UniversalSwitchIDforRight
12	UniversalSwitchIDforOK
13	UniversalSwitchIDfoMenu
14	UniversalSwitchIDforSource

Subnet ID, Device ID: Address of IR Emitter / 9in 1 sensor
Input the Universal ID for the following item:

abase: Database Table: ProjectorInZone File: E:\Iphone\Manual\Database.sqlite3 SQLite Library: [interna

Database
- AppleTVInZone
- CommandTypeDefinition
- DVDInZone
- HVACInZone
- HVACSetUp
- LightInZone
- LightTypeDefinition
- MoodCommands
- MoodIconDefinition
- MoodInZone
- ProjectorInZone
- SATInZone
- ShadeIconDefinition
- ShadesCommands

Database | SQL | Data | Design | DDL

Refresh

Click here to define a filter

RecNo	ZoneID	SubnetID	DeviceID	UniversalSwitchIDforOn	UniversalSwitchStatusforOn	UniversalSwitchIDforOff	Unive
1	1	1	11	21	255	21	
2	2	1	2	0	0	0	
3	3	1	2	0	0	0	
4	4	1	2	0	255	0	
5	5	1	2	0	0	0	
6	6	1	2	0	0	0	
7	9	1	2	22	23	24	

10.5 SAT. /Cable

10.5.1. System Settings if has SAT. In the Zone

Suppose to the zone ID=3
if you have SAT./Cable in the zone, you need to add it to table **SystemInZone**
The SystemID of SAT./Cable is: 7

RecNo	ZoneID	SystemID
Click here to define a filter		
7	2	1
8	2	2
9	2	3
10	2	5
11	3	1
12	3	2
13	3	3
14	3	6
15	3	5
16	3	7
17	3	8
18	3	9
19	4	1
20	4	2

10.5.2. System Settings if has SAT. In the Zone

Select table **SATInZone**

Table name: SATInZone

Fields | Indexes | Foreign Keys

Index	Name
1	ZoneID
2	SubnetID
3	DeviceID
4	UniversalSwitchIDforOn
5	UniversalSwitchStatusforOn
6	UniversalSwitchIDforOff
7	UniversalSwitchStatusforOff
8	UniversalSwitchIDfoUp
9	UniversalSwitchIDforDown
10	UniversalSwitchIDforLeft
11	UniversalSwitchIDforRight
12	UniversalSwitchIDforOK
13	UniversalSwitchIDfoMenu
14	UniversalSwitchIDforFAV

Subnet ID, Device ID: Address of IR Emitter / 9in 1 sensor
Input the Universal ID for the following item:

Database | SQL | Data | Design | DDL

Refresh

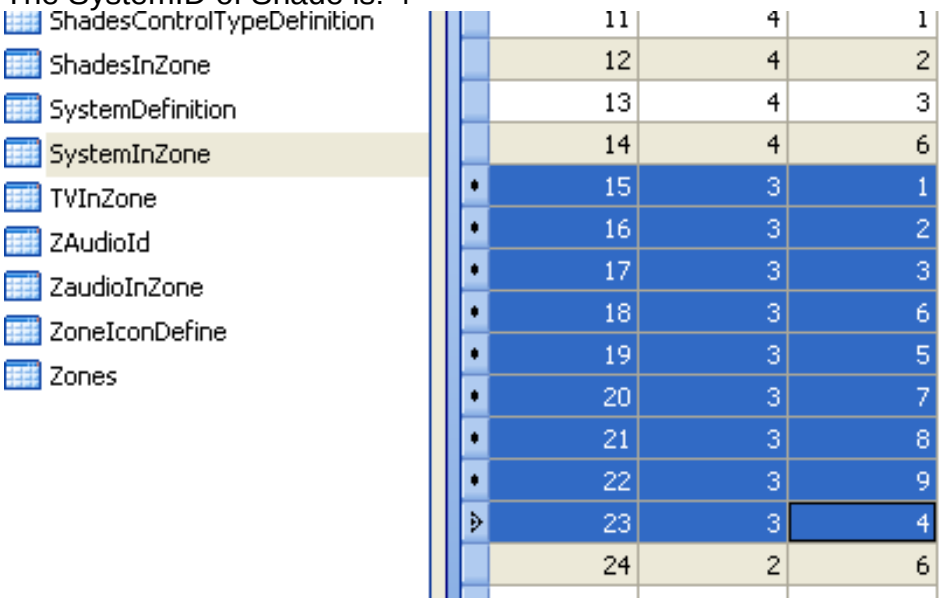
Click here to define a filter

RecNo	ZoneID	SubnetID	DeviceID	UniversalSwitchIDforOn	UniversalSwitchStatusforOn	UniversalSwitchIDforOff	Univer
1	1	1	50	25	255	25	
2	2	1	2	0	255	0	
3	3	1	2	0	0	0	
4	4	1	2	0	255	0	
5	5	1	2	0	0	0	
6	6	1	2	0	0	0	
7	9	1	2	22	255	24	

11. Shades in Zone

11.1 System settings if has shade in zone

Suppose to the zone ID=3
if you have shade in the zone, you need to add it to table **SystemInZone**
The SystemID of Shade is: 4



11	4	1
12	4	2
13	4	3
14	4	6
15	3	1
16	3	2
17	3	3
18	3	6
19	3	5
20	3	7
21	3	8
22	3	9
23	3	4
24	2	6

11.2 Add shades to the Zone

select table ShadesInZone

Table name: ShadesInZone

Fields | Indexes | Foreign Keys | Constraints

Index	Name	Declared Type
1	ZoneID	INT
2	ShadeID	INT
3	ShadeName	NVARCHAR
4	ShadeIconID	INT
5	SequenceNo	INTEGER
6	HasStop	INT

Table: ShadesInZone	
FileName	**DESC**
ZoneID	ZoneID can get from the table Zones
ShadeID	ShadeID start from 1
ShadeName	The Name of shade
ShadeIconID	Always 1
SequenceNo	The order of show
HasStop	If has the function of shade stop, please put 1, otherwise put 0

Suppose to the zone ID=3

MoodCommands
MoodIconDefinition
MoodInZone
ProjectorInZone
SATInZone
ShadeIconDefinition
ShadesCommands
ShadesControlTypeDefinition
ShadesInZone

3	4	12	Right	1	12	1
4	2	4	Left	1	4	1
5	2	5	Middle	1	5	1
6	2	6	Right	1	6	1
7	3	1	Left	1	1	1
8	3	2	Middle	1	2	1
9	3	3	Right	1	3	1
10	1	1	Left	1	1	1
11	1	2	Right	1	2	1
12	1	3	Middle	1	3	0

11.3 Commands for the shade

Select table **ShadesCommands**

Table name: ShadesCommands

Fields | Indexes | Foreign Keys | Constraints

Index	Name	Declared Type
1	ZoneID	INT
2	ShadeID	INT
3	ShadeControlType	INT
4	CommandID	INT
5	SequenceNo	INT
6	Remark	NVARCHAR(50)
7	SubnetID	INT
8	DeviceID	INT
9	CommandTypeID	INT
10	FirstParameter	INT
11	SecondParameter	INT
12	ThirdParameter	INT
13	DelayMillisecondAfterSend	INT

Table: **ShadesCommands**	
FileName	**DESC**
ZoneID	ZoneID can get from the table Zones
ShadeID	ShadeID start from 1,check the table ShadesInZone
ShadeControlType	Open shade: 1 Close Shade: 0 Stop shade:2
CommandID	check the table ShadesInZone
SequenceNo	The order of the command executing.
Remark	
SubnetID	Address of Relay module / IR Emitter / 9in1
DeviceID	
CommandTypeID	See the commandTypeID definition below if you use relay module to control shade, you need to choose ***Single channel control***; If you control shade by IR, you need to choose ***Universal Switch Control.***
FirstParameter	Please see the table below
SecondParameter	Please see the table below

ThirdParameter	Please see the table below
DelayMillisecondAfterSend	Delay after this command has been sent Unit=millisecond

ConmandTypeID Definition

Command TypeID	Command Type Name	Remark	FirstParameter	SecondParameter	ThirdParameter
0	Scene control		Zone No (1-254)	Scene No (0-254)	Unused (set 0)
1	Sequence Control		Zone No (1-254)	Sequence No (0-254)	Unused (set 0)
2	Universal Switch Control		Universal Switch ID (0-255)	Switch Control status (255:on 0: off)	Unused (set 0)
3	Invalid	Invalid command, it will not take any actions	Any value (0-255)	Any value (0-255)	Any value (0-65535)
4	Single Channel Control		Channel No (1-255)	Brightness percentage (0 -100)	Running Time, unit: second (0 -3600)
5	Broadcast scene	Run the specific scene in all area of current module	Broadcast area (Must be set 255)	Scene No (0-254)	Unused (set 0)
6	Broadcast All channels	Control all the channels of current module	Broadcast all channels (Must be set 255)	Brightness percentage (0 -100)	Running Time, unit: second (0 -3600)
7	Curtain Control	Control curtain if you are using g3 curtain module	Curtain No (1-4)	Curtain Control Status (0: Stop 1: Open 2: Close)	Unused (set 0)
8	Timer Control		Channel No (1-255)	Control Status (255: open 0 : close)	Unused (set 0)
9	SMS Control	Control G3 SMS module	Type ID (0: invalid 1: SMS	SMS Command No	Unused (set 0)

			Message)	(0-255)	
10	Panel control		**Panel control for A/C**		
			FirstParameter (TypeID)	**SecondParameter** (Value)	**ThirdParameter**
			0=(invalid)	0	0
			1=(enable/disable IR receive function of DLP)	0: (disable) 1: (enable)	0
			3=(Power on/off A/C)	0: (power off) 1: (power on)	0
			4=(cool Set point)	0-30 c 32-86F	0
			5=(FAN Speed)	0: (auto) 1: (High) 2: (Medium) 3: (low)	0
			6=(AC mode)	0: (Cool) 1: (Heat) 2: (FAN) 3: (Auto)	0
			7=(Heat set point)	0-30 c 32-86F	
			8=(Auto Set point)	0-30 c 32-86F	
			Invoking DDP Button	18	1 byte DDP button number Scope 1-32 1 = left of the first button of Pag1 from top to bottom 2 = right of the first button of Pag1 from top to bottom 3 = left of the second button from top to bottom of Pag1 4 = 2R P1 , 5 = 3L P1, 6 = 3R P1, 7 = 4L P1, 8 = 4R P1; 9 = 1L P2, 10 = 1R P2, 11 = 2L P2, 12 = 2R P2, 13 = 3L P2, 14 = 3R P2 …… 32 = right of the fourth button of Pag4
			Turn on/off all AC controlled by one DDP	18	33 Has one more byte,(0=All off;1=All on)
			Go to Page	0x16	Page No 1-7

11	Security Mode control		Zone no (1-8)	Mode No 1: vacation 2: away 3: night 4: Night with guest 5: Day 6: Disarm	Unused (set 0)
12	Security Alarm		Zone no (1-8)	**Alarm No** 1: vacation 2: Away 4: Night 8: Night with guest 16: Day 32: Siren 64: Power 128: Temperature 256: Fire 512: Gas 1024: Panic 2048: Emergency 4096: Current	Unused (set 0)
18	Z-Audio		**Z-Audio**		

FirstParameter (Type ID)	**SecondParameter** (Value)	**ThirdParameter**
1=Music Source	Music Source No SD card =1 Audio In =2 FTP Server =3 FM Radio =4	N/A
3=Song List / Radio List Control	**Type of list Control** PREV. Song List =1 Next Song List=2 Specify Song List No=3 PREV Radio Channel=4 Next Radio Channel =5 Specify Radio No=6	Song List No / Radio No (only available when Second Parameter is equal 3 or 6)

			4=Play Control	Previous Song=1 Next Song=2 Play=3 Stop=4	N/A
			5=Volume Control	Percentage of VOL (0~ 100, 100% is max. VOL, 0 is mute)	N/A
			6=Specify Song Control	Song List No (1byte,0-255, Song List No 0 is for alarm voice)	**Song No** (1 – 999)

Example Settings if control shade by relay module
Command Type: Single Channel control (ID=4)
ShadeControlType: Open shade(ID=1)

RecNo	ZoneID	ShadeID	ShadeControlT...	Comman...	Seque...	Remark	SubnetID	DeviceID	CommandTypeID	FirstParameter	SecondParameter	ThirdPar...	Delay...
Click here to define a filter													
1	1	1	1	1	1	open shade	1	65	4	1	100	0	2000
2	1	1	1	2	2	open	1	64	2	1	0	0	2000
3	1	1	1	1	3	open	1	64	2	1	6	0	2000
4	1	1	0	1	1	close	1	64	2	1	7	0	2000
5	1	1	0	1	3	close	1	64	4	1	8	0	2000
6	1	1	2	2	3	stop	1	65	4	1	0	0	2000
7	1	1	0	2	2	close	1	65	4	1	0	0	0
8	3	1	1	1	1	Open shade	1	3	4	1	100	0	0
9	3	1	0	1	1	close shade	1	3	4	2	100	0	0

Example Settings if control shade by relay module
Command Type: Single Channel control (ID=4)
ShadeControlType: Close shade (ID=0)

RecNo	ZoneID	ShadeID	ShadeControlT...	Comman...	Seque...	Remark	SubnetID	DeviceID	CommandTypeID	FirstParameter	SecondParameter	ThirdPar...	Delay...
Click here to define a filter													
1	1	1	1	1	1	open shade	1	65	4	1	100	0	2000
2	1	1	1	2	2	open	1	64	2	1	0	0	2000
3	1	1	1	1	3	open	1	64	2	1	6	0	2000
4	1	1	0	1	1	close	1	64	2	1	7	0	2000
5	1	1	0	1	3	close	1	64	4	1	8	0	2000
6	1	1	2	2	3	stop	1	65	4	1	0	0	2000
7	1	1	0	2	2	close	1	65	4	1	0	0	0
8	3	1	1	1	1	Open shade	1	3	4	1	100	0	0
9	3	1	0	1	1	close shade	1	3	4	2	100	0	0

Example Settings if control shade by relay module
Command Type: Single Channel control (ID=4)

ShadeControlType: Stop shade (ID=2)

RecNo	ZoneID	ShadeID	ShadeControlT...	Comman...	Seque...	Remark	SubnetID	DeviceID	CommandTypeID	FirstParameter	SecondParameter	ThirdPar...	Delay...
Click here to define a filter													
1	1	1	1	1	1	open shade	1	65	4	1	100	0	2000
2	1	1	1	2	2	open	1	64	2	1	0	0	2000
3	1	1	1	1	3	open	1	64	2	1	6	0	2000
4	1	1	0	1	1	close	1	64	2	1	7	0	2000
5	1	1	0	1	3	close	1	64	4	1	8	0	2000
6	1	1	2	2	3	stop	1	65	4	1	0	0	2000
7	1	1	0	2	2	close	1	65	4	1	0	0	0
8	3	1	1	1	1	Open shade	1	3	4	1	100	0	0
9	3	1	0	1	1	close shade	1	3	4	2	100	0	0
10	3	1	2	1	1	Stop shade	1	3	4	1	0	0	0
11	3	1	2	2	2	Stop shade	1	3	4	2	0	0	0

Example Settings if control shade by IR

Command Type: Universal Switch (ID=2)

ShadeControlType: Open shade(ID=1)

RecNo	ZoneID	ShadeID	ShadeControlT...	Comman...	Seque...	Remark	SubnetID	DeviceID	CommandTypeID	FirstParameter	SecondParameter	ThirdPar...	Delay...
Click here to define a filter													
1	1	1	1	1	1	open shade	1	65	4	1	100	0	2000
2	1	1	1	2	2	open	1	64	2	1	0	0	2000
3	1	1	1	1	3	open	1	64	2	1	6	0	2000
4	1	1	0	1	1	close	1	64	2	1	7	0	2000
5	1	1	0	1	3	close	1	64	4	1	8	0	2000
6	1	1	2	2	3	stop	1	65	4	1	0	0	2000
7	1	1	0	2	2	close	1	65	4	1	0	0	0
8	3	1	1	1	1	Open shade	1	3	4	1	100	0	0
9	3	1	0	1	1	close shade	1	3	4	2	100	0	0
10	3	1	2	1	1	Stop shade	1	3	4	1	0	0	0
11	3	1	2	2	2	Stop shade	1	3	4	2	0	0	0
12	3	2	1	1	1	Open shade	1	3	2	1	255	0	0
13	3	2	0	1	1	close shade	1	3	2	2	255	0	0

Example Settings if control shade by IR

Command Type: Universal Switch (ID=2)

ShadeControlType: Close shade(ID=0)

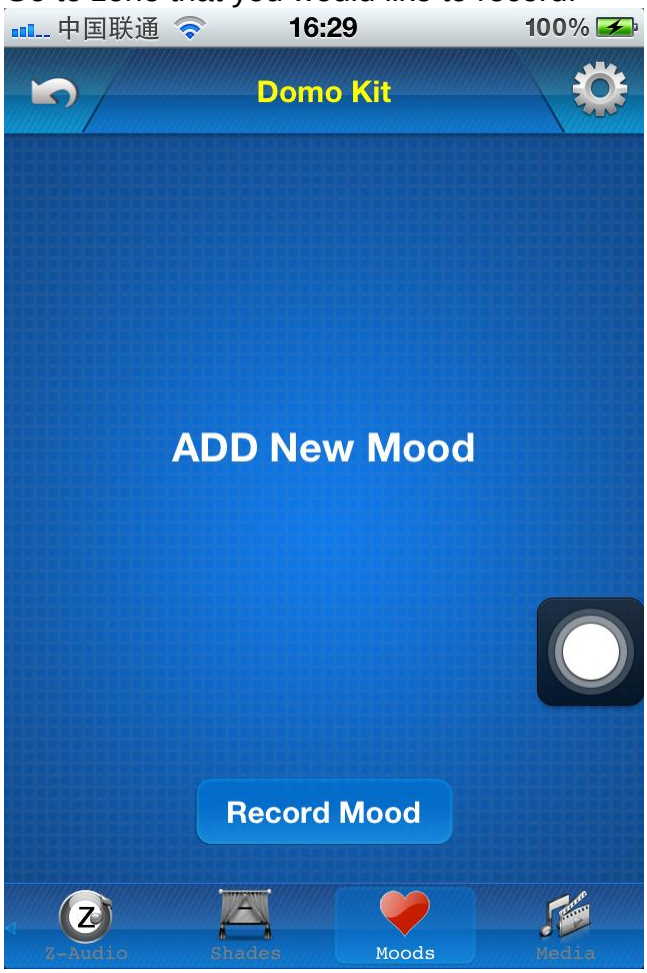
RecNo	ZoneID	ShadeID	ShadeControlT...	Comman...	Seque...	Remark	SubnetID	DeviceID	CommandTypeID	FirstParameter	SecondParameter	ThirdPar...	Delay...
Click here to define a filter													
1	1	1	1	1	1	open shade	1	65	4	1	100	0	2000
2	1	1	1	2	2	open	1	64	2	1	0	0	2000
3	1	1	1	1	3	open	1	64	2	1	6	0	2000
4	1	1	0	1	1	close	1	64	2	1	7	0	2000
5	1	1	0	1	3	close	1	64	4	1	8	0	2000
6	1	1	2	2	3	stop	1	65	4	1	0	0	2000
7	1	1	0	2	2	close	1	65	4	1	0	0	0
8	3	1	1	1	1	Open shade	1	3	4	1	100	0	0
9	3	1	0	1	1	close shade	1	3	4	2	100	0	0
10	3	1	2	1	1	Stop shade	1	3	4	1	0	0	0
11	3	1	2	2	2	Stop shade	1	3	4	2	0	0	0
12	3	2	1	1	1	Open shade	1	3	2	1	255	0	0
13	3	2	0	1	1	close shade	1	3	2	2	255	0	0

12. Mood Recording in Zone

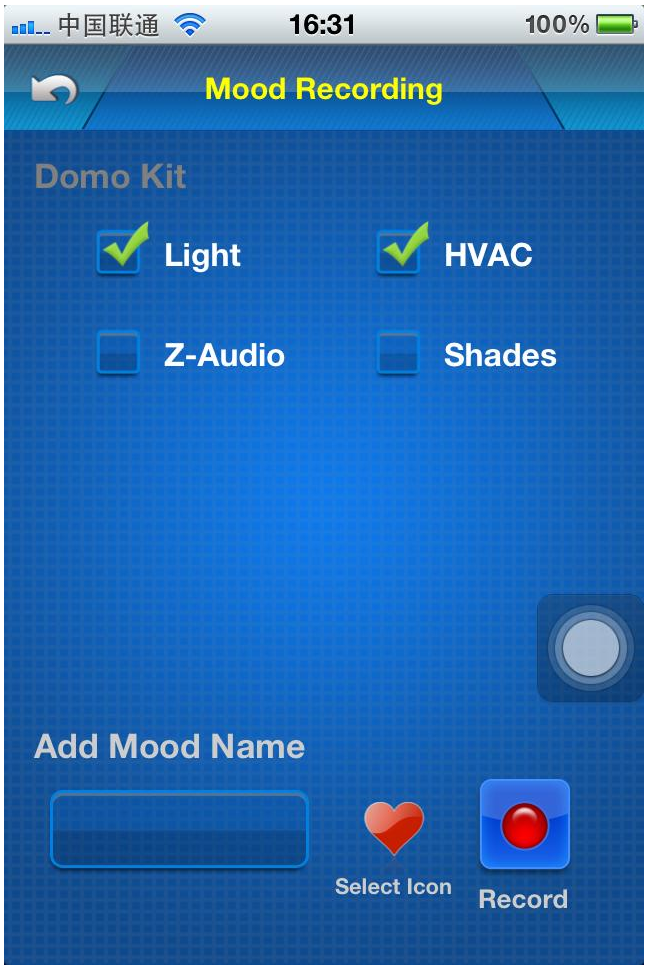
12.1 Record New Mood

Mood recording is designed for end user, No need to use any programming tool, the end user can make their own mood easily by themselves.

Go to zone that you would like to record.

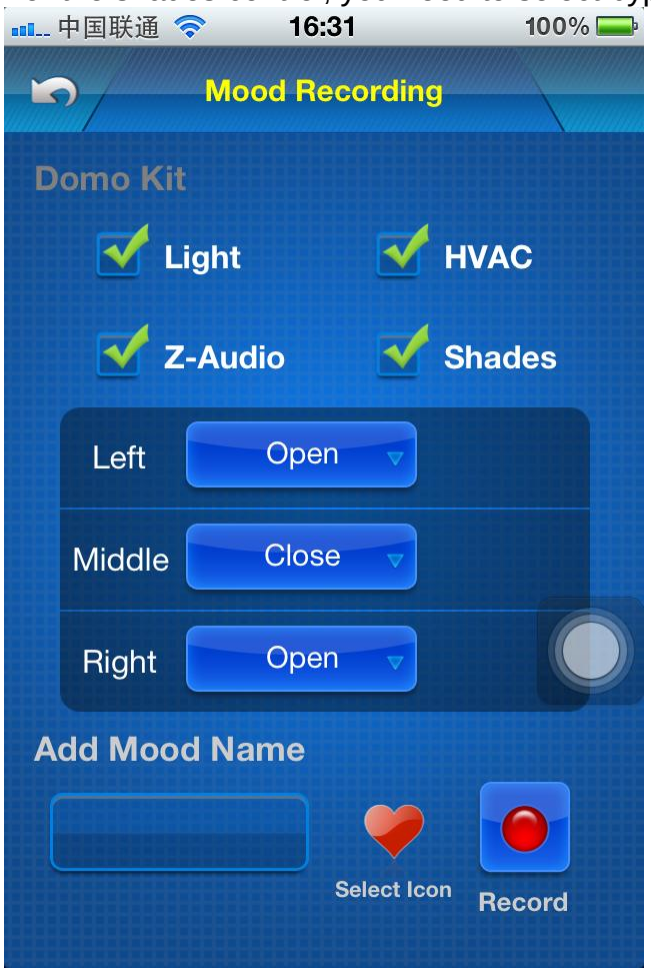


Click button “Record Mood” above

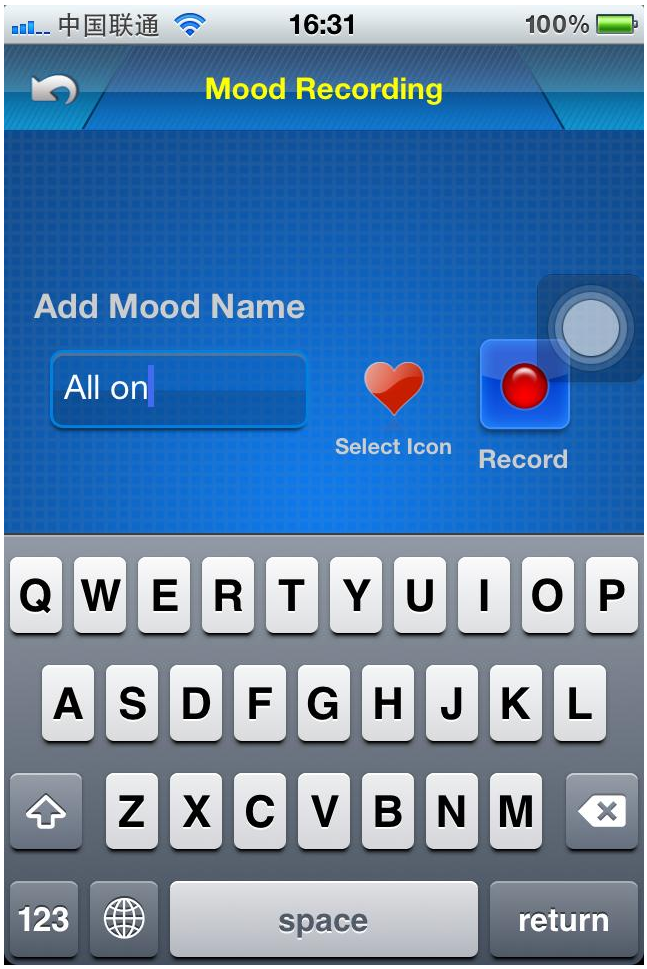


Select the devices that you would like to record such as light, HVAC, Z-Audio, Shades

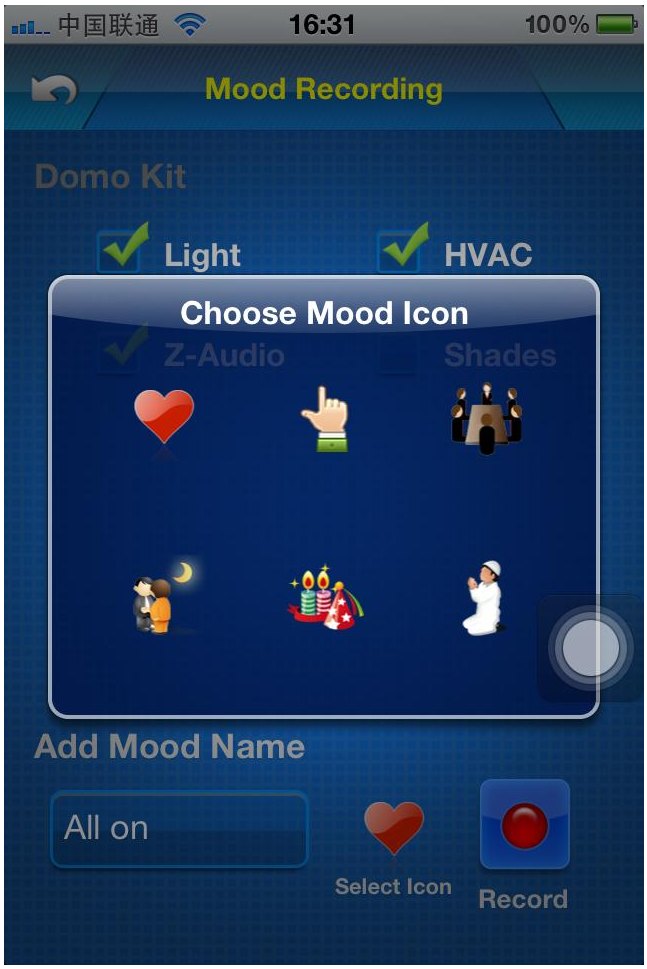
For the shades control, you need to select bypass/open/close



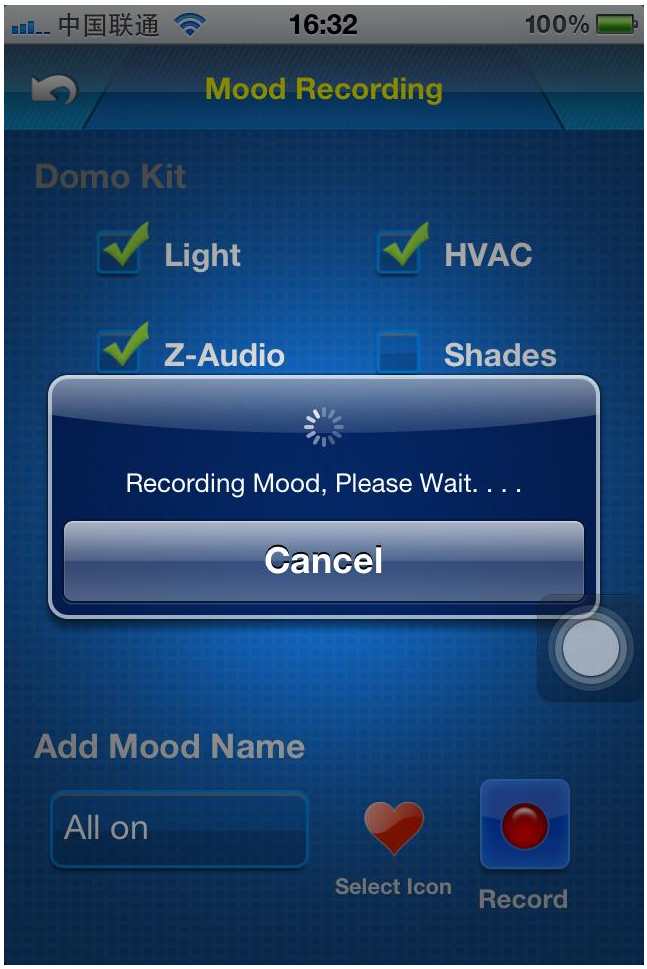
Type the mood name

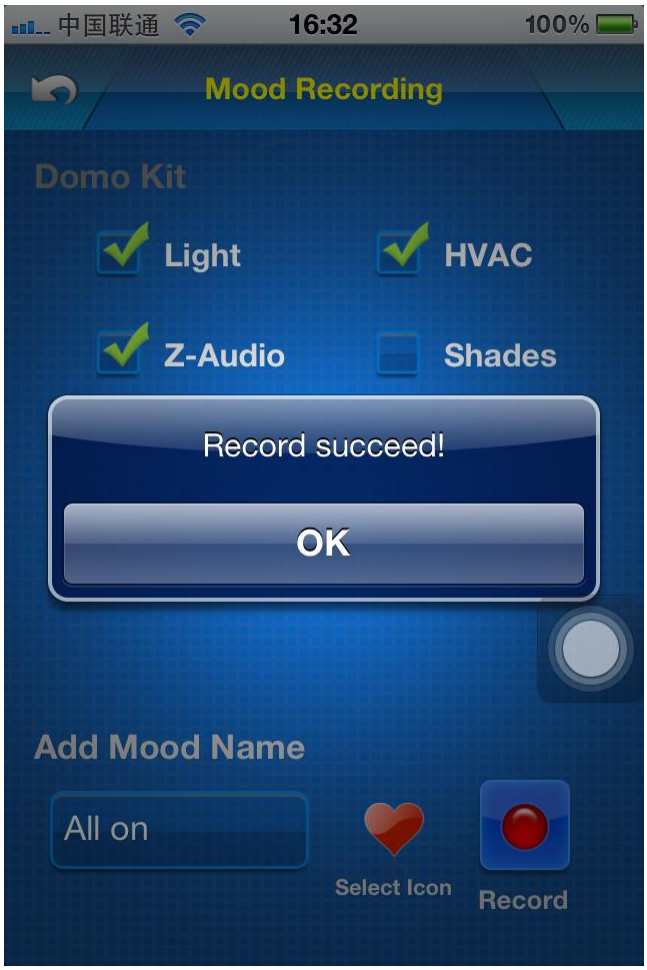


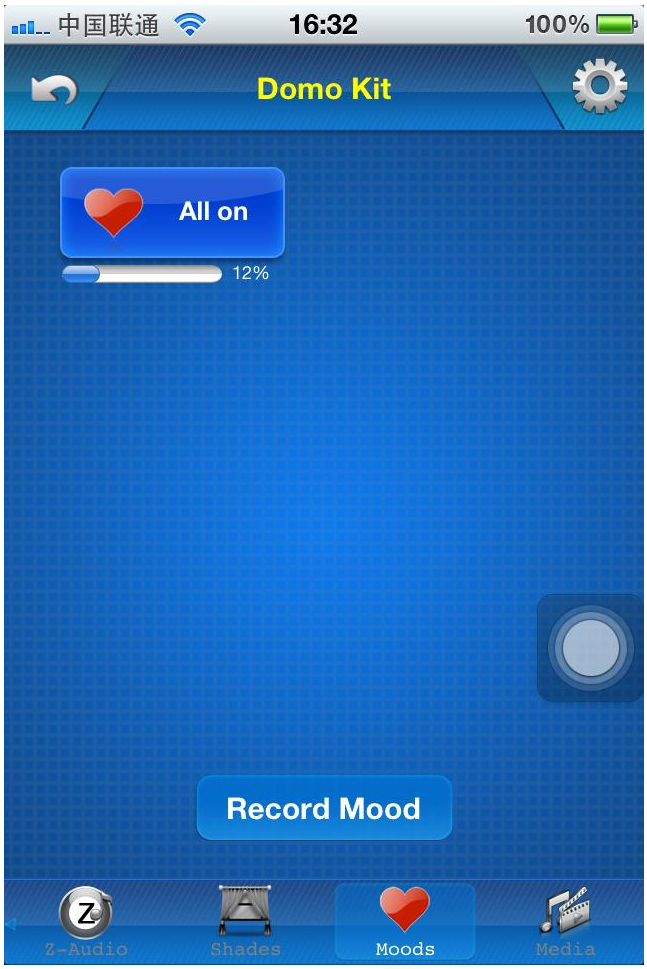
Choose icon for the mood



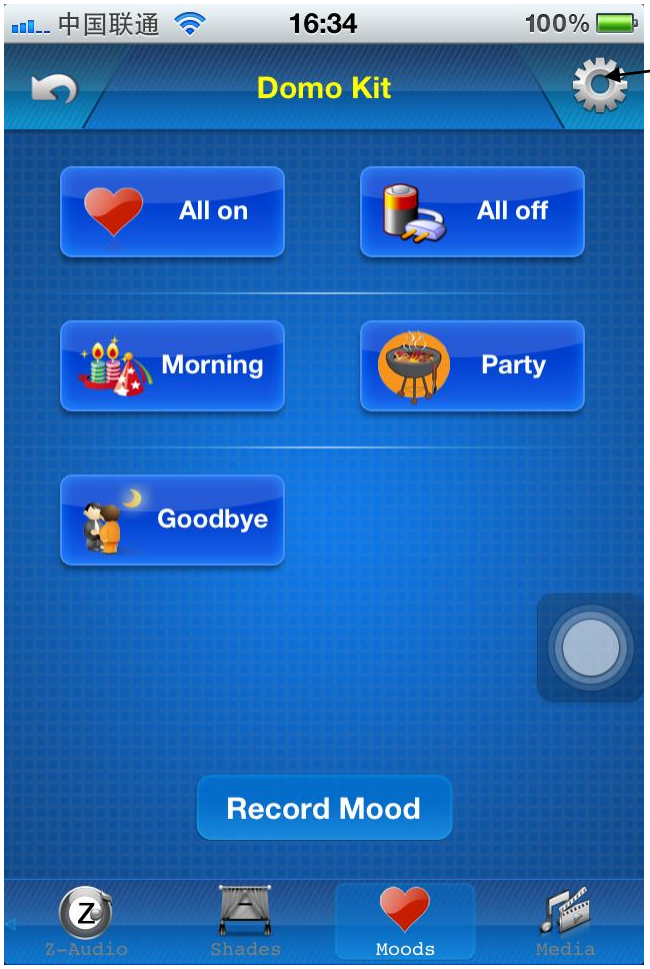
Press button “Record”


中国联通
16:32
100%
Mood Recording
Domo Kit
Light
HVAC
Z-Audio
Shades
Recording Mood, Please Wait. . . .
Cancel
Add Mood Name
All on
Select Icon
Record

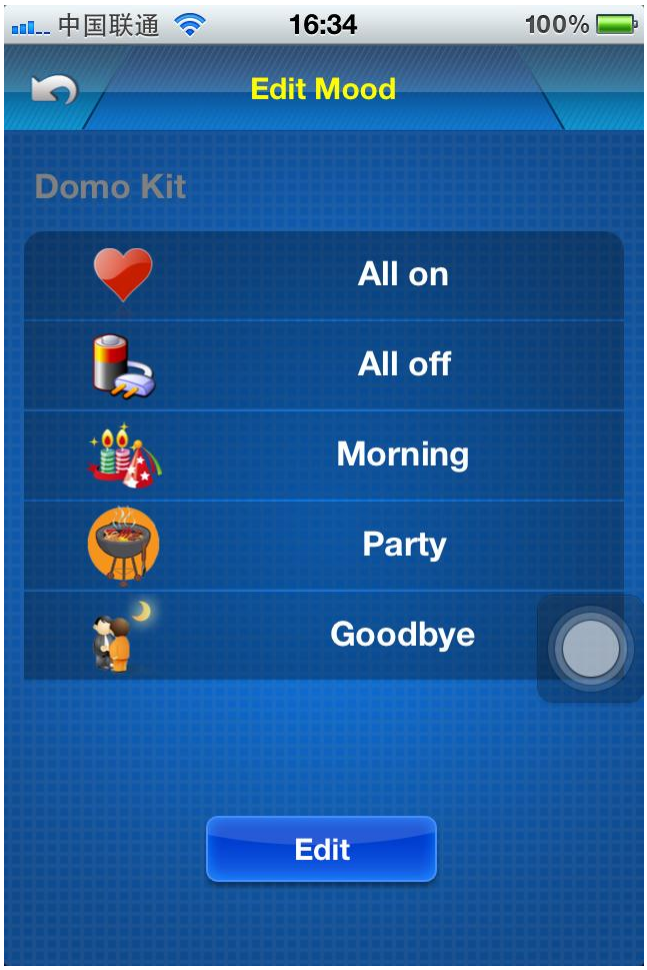

中国联通
16:32
100%
Mood Recording
Domo Kit
Light
HVAC
Z-Audio
Shades
Record succeed!
OK
Add Mood Name
All on
Select Icon
Record


中国联通
16:32
100%
Domo Kit
All on
12%
Record Mood
Z-Audio
Shades
Moods
Media

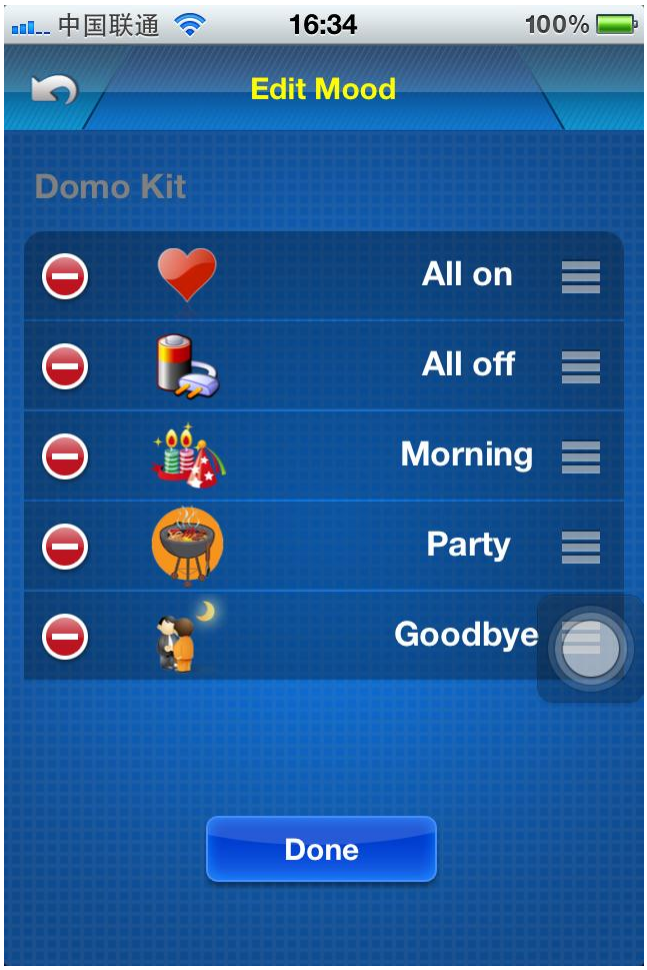
12.2 Edit Existed Mood



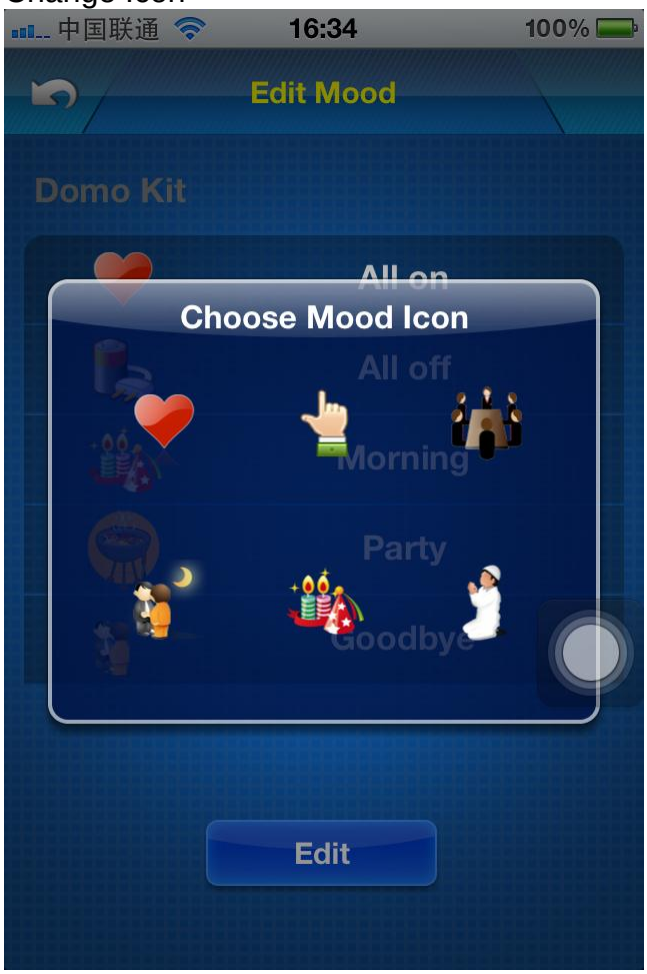
Press this icon to go to edit page


中国联通
16:34
100%
Edit Mood
Domo Kit
All on
All off
Morning
Party
Goodbye
Edit

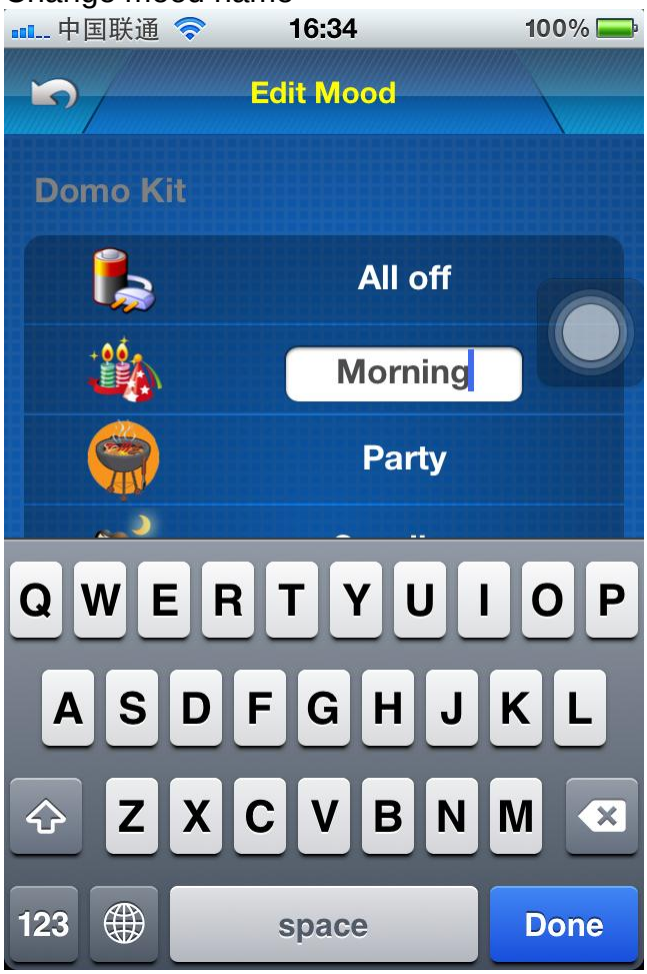
Press button “Edit” above



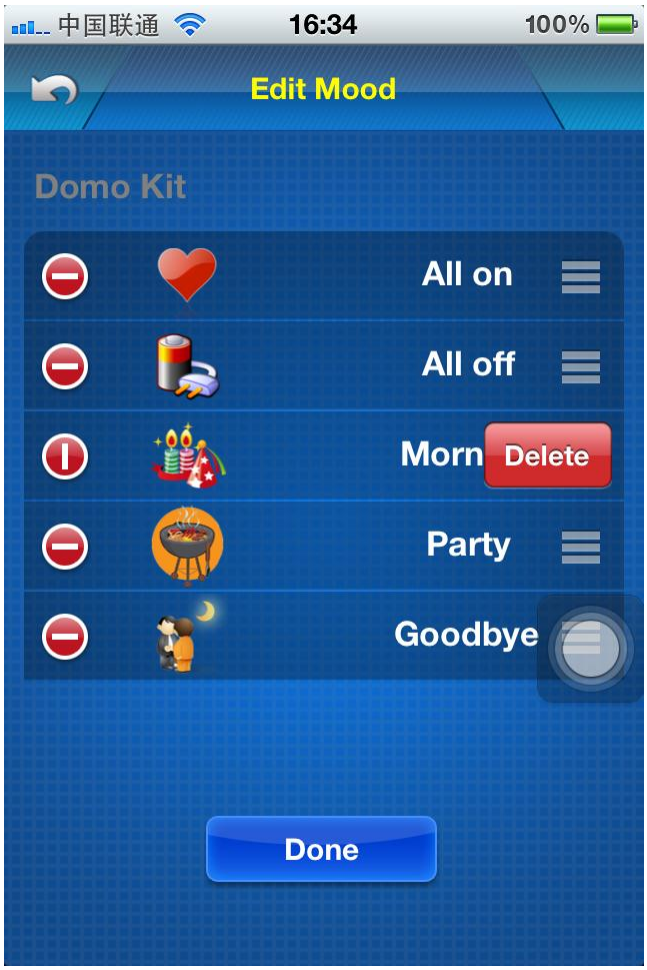
Change Icon


中国联通
16:34
100%
Edit Mood
Domo Kit
All on
Choose Mood Icon
All off
Morning
Party
Goodbye
Edit

Change mood name



12.3 Delete existed mood

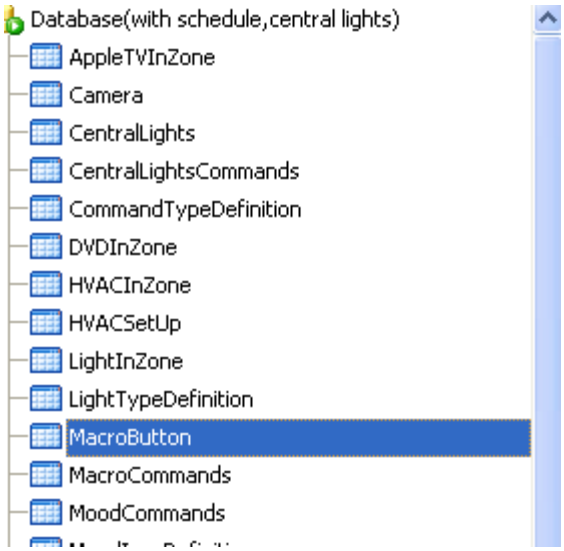


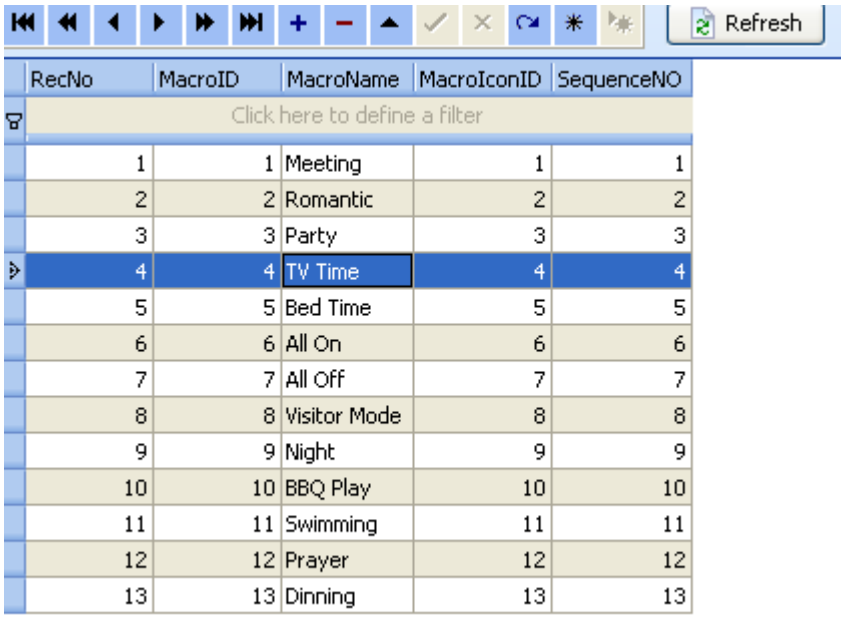
Press button “Done” to save the modification.

13. Macro Buttons

13.1 Add Macro button

select table : MacroButton





RecNo	MacroID	MacroName	MacroIconID	SequenceNO
1	1	Meeting	1	1
2	2	Romantic	2	2
3	3	Party	3	3
4	4	TV Time	4	4
5	5	Bed Time	5	5
6	6	All On	6	6
7	7	All Off	7	7
8	8	Visitor Mode	8	8
9	9	Night	9	9
10	10	BBQ Play	10	10
11	11	Swimming	11	11
12	12	Prayer	12	12
13	13	Dinning	13	13

MacroIconID definition

MarcoIconID	Icon Name	Icon
1	Meeting	
2	Romantic	

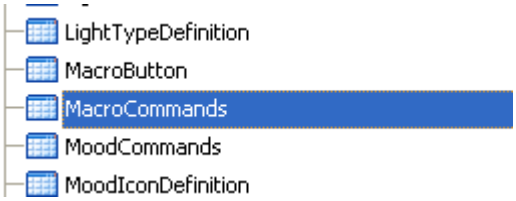
3	Party	
4	TV Time	
5	Bed Time	
6	Manual Time	
7	Energy Saving	
8	Visitor Mode	
9	Night Visitor	
10	BBQ	

11	Swimming Time	
12	Prayer Time	
13	Dimming Time	

Macro buttons will be displayed according to the **SequenceNo**

13.2 Add commands for macro button

Select table “MacroCommands”



RecNo	MacroID	SequenceNo	Remark	SubnetID	DeviceID	CommandTypeID	FirstParameter	Secor
Click here to define a filter								
1	1	1	All on in manager room 1	1	3	4	1	
2	1	2	meeting in meeting room 1	1	3	4	2	
3	1	3	All on in manager room 2	1	3	4	3	
4	1	4	all on 1	1	3	4	1	
5	1	5	all on 2	1	9	4	1	
6	1	6	meeting in meeting room 2	1	20	10	3	
7	1	10	meeting in meeting room 2	1	200	18	5	
8	1	8	meeting in meeting room 2	1	200	18	6	
9	1	9	meeting in meeting room 2	1	200	18	4	
10	1	7	meeting in meeting room 2	1	200	18	1	
11	1	11	all on 2	1	9	4	2	
12	1	12	all on 2	1	9	4	3	
13	1	13	all on 2	1	9	4	3	
14	1	14	all on 2	1	9	4	3	
15	1	15	all on 2	1	9	4	3	

Add commands for the macro.

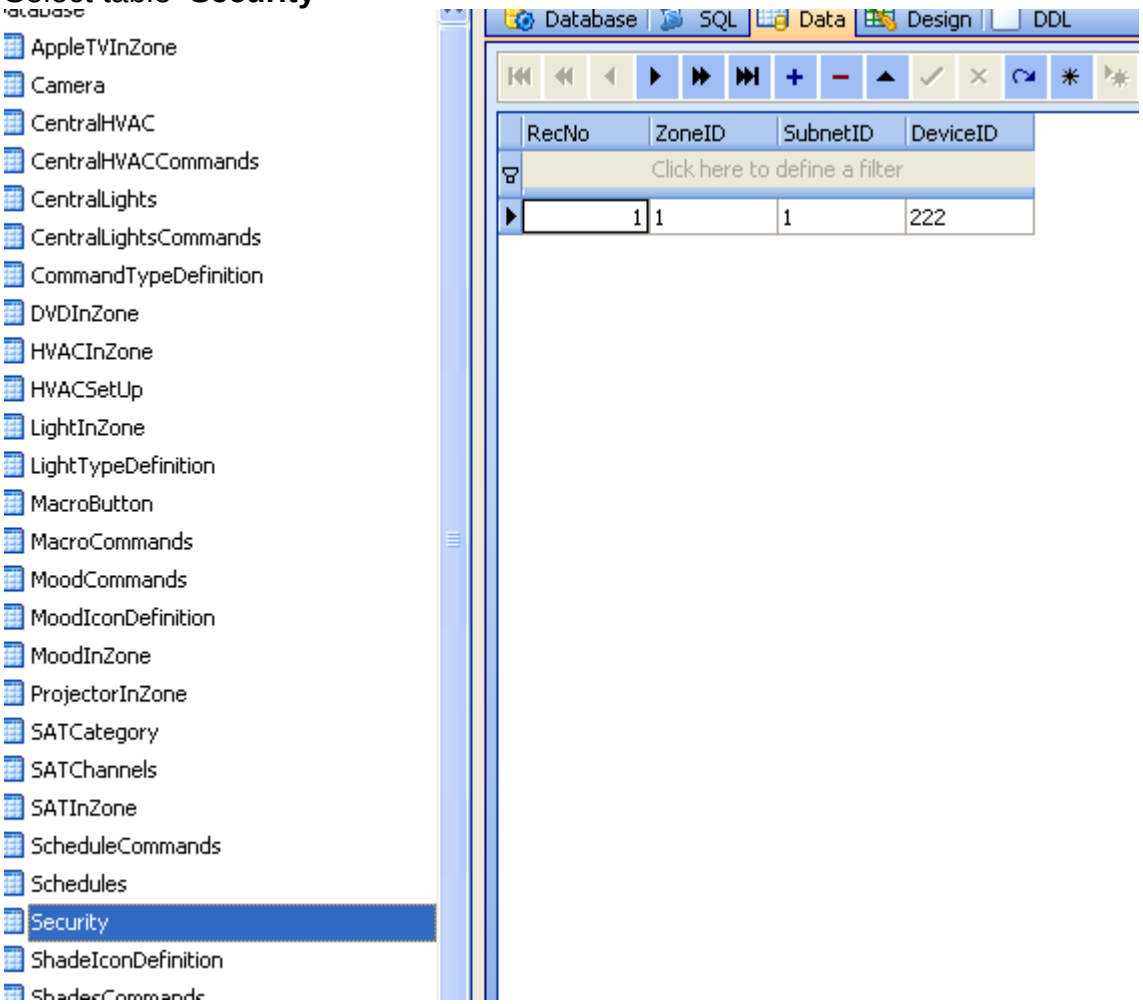
For the definition of **ConmandTypeID Definition**, please see above.

To turn on/off all AC by DDP using Macro Button Set Command as below

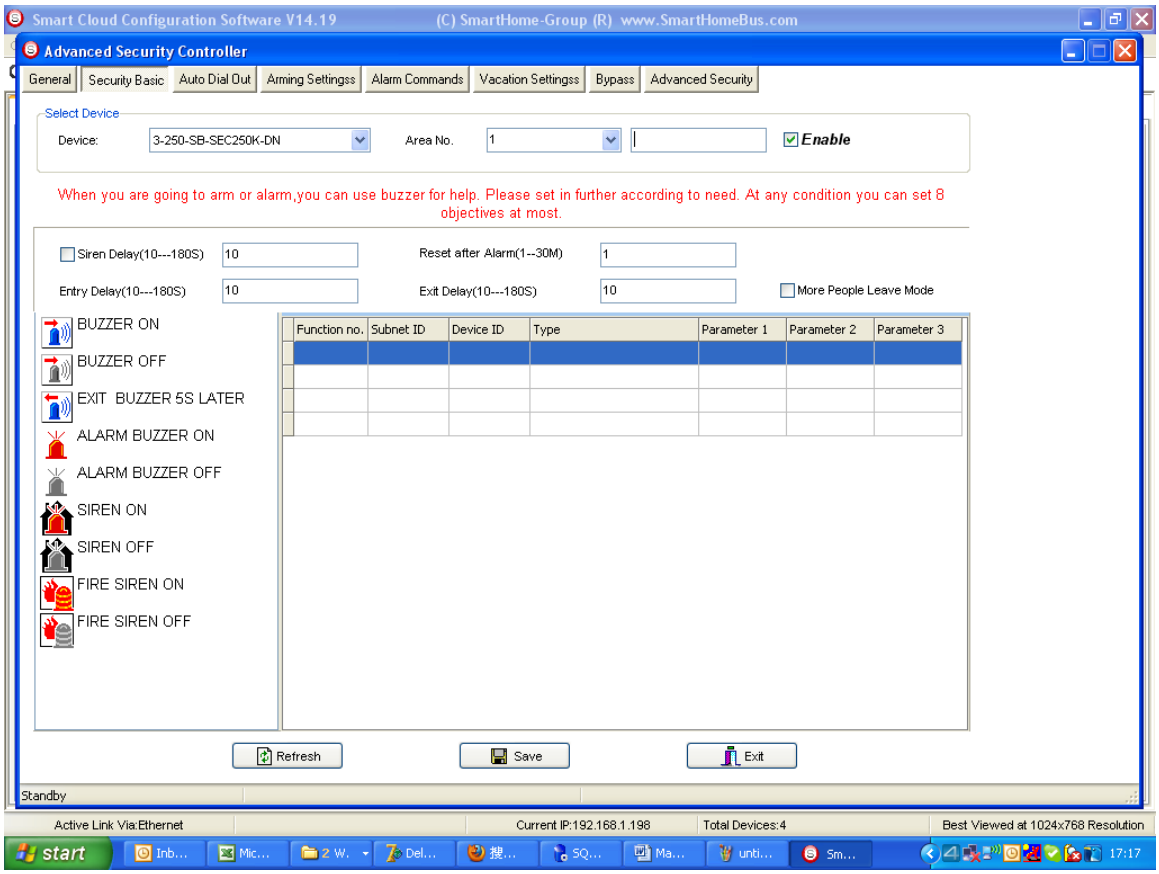
CommandTypeID:10(Panel control+)
FirstParameter: 18(Invoking DDP Button)
SecondParameter:33 (DDP to control all AC on/off)
ThirdParameter: 0=All AC off 1 = All AC On

14. Security

Select table **Security**



ZoneID: this is the zone ID for Security mould

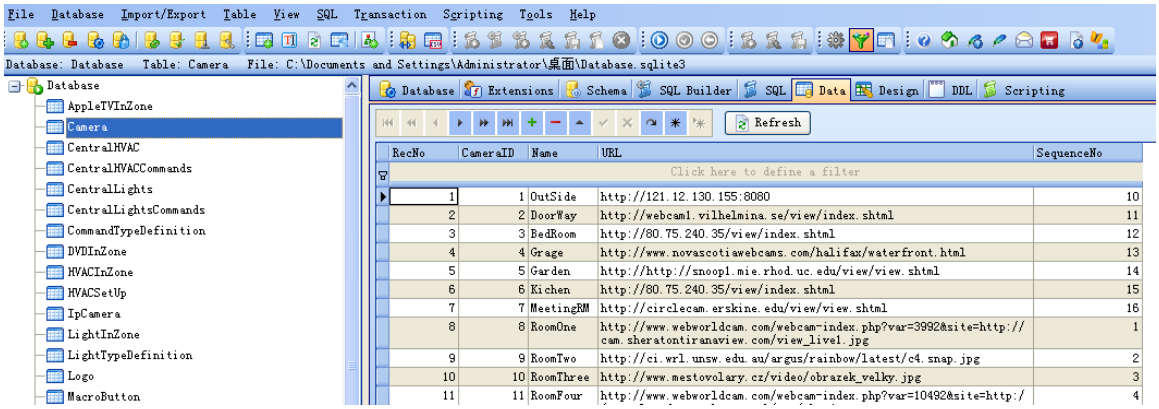


Subnet ID,Device ID: Address of Security Module

15. Camera

15.1 Web camera

Select table **Camera**



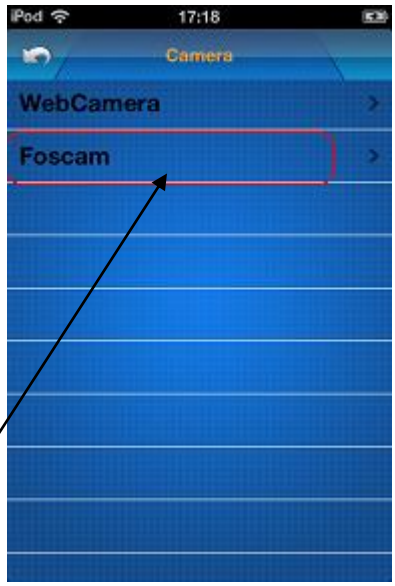
RecNo	CameraID	Name	URL	SequenceNo
1	1	OutSide	http://121.12.130.155:8080	10
2	2	DoorWay	http://webcam1.vilhelmina.se/view/index.shtml	11
3	3	BedRoom	http://80.75.240.35/view/index.shtml	12
4	4	Grage	http://www.novascotiawebcams.com/halifax/waterfront.html	13
5	5	Garden	http://http://snoop1.mie.rhod.uc.edu/view/view.shtml	14
6	6	Kichen	http://80.75.240.35/view/index.shtml	15
7	7	MeetingRM	http://circlecam.erskine.edu/view/view.shtml	16
8	8	RoomOne	http://www.webworldcam.com/webcam-index.php?var=3992&site=http://cam.sheratontiranaview.com/view_live1.jpg	1
9	9	RoomTwo	http://ci.wrl.unsw.edu.au/argus/rainbow/latest/c4.snap.jpg	2
10	10	RoomThree	http://www.mestovolary.cz/video/obrazek_velky.jpg	3
11	11	RoomFour	http://www.webworldcam.com/webcam-index.php?var=10492&site=http:/	4

CameraID : To mark which camera
URL: the URL of camera
SequanceNo: to range the order of camera

15.2 Camera from Foscam

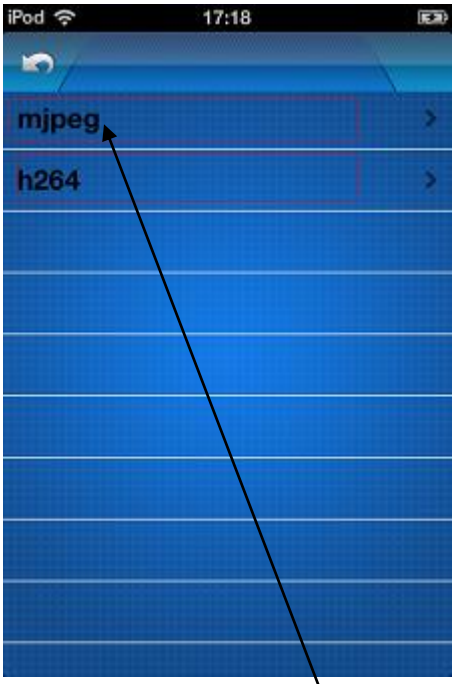
Camera from Foscam is designed for end user, No need to use any programming tool,

Go to Camera which is in " Central Control" above.



Click "Foscam" above

Click setting button



Get camera video code type

1 to see the device docment of Foscam

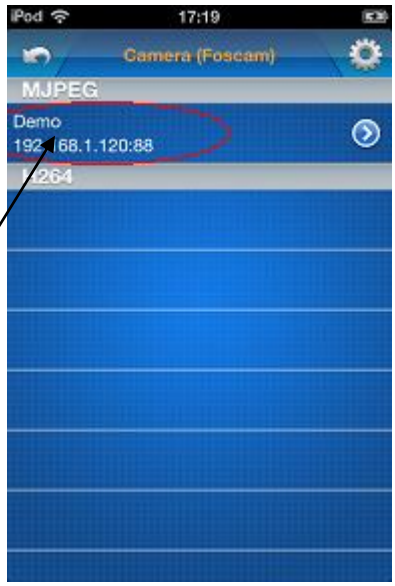
2 go to Foscam web to see the code type by camera Model

http://cn.foscam.com

15.2.1 Adding video code type mjpeg camera Press

You can know camera ip \ username\ password\ port by reading “Quick Installation Guide” from Foscam.

Input the current camera name\ ip\ UserName\ Password\ WebPort.
Then save.



Press
App will connect to the Camera less than 10 seconds .

15.2.2 Adding video code type is H264 camera

Press h264

You can know camera ip \ username\ password\ Mediaport \ webPort \ StreamType
by reading “Quick Installation Guide” from Foscam.

Then save

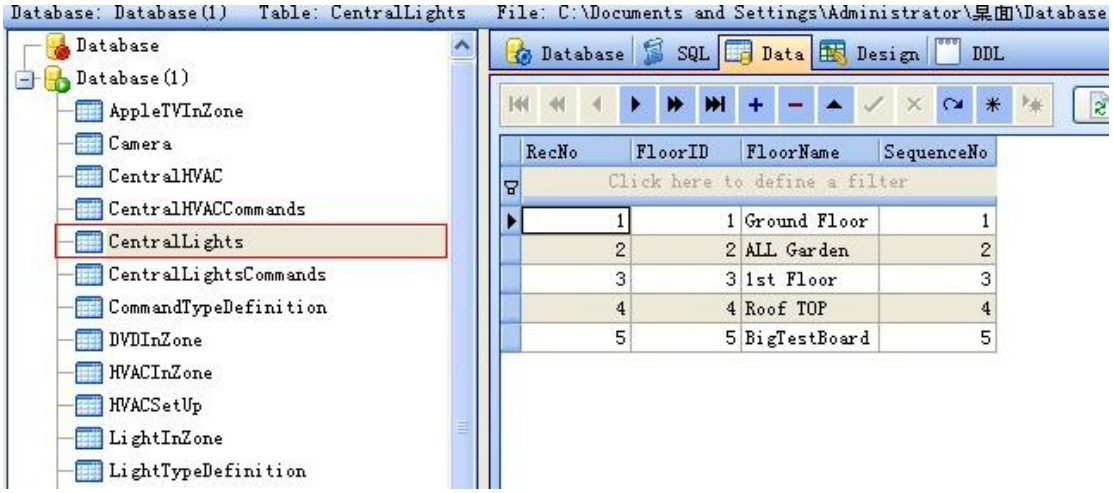
15.2.3 Edit camera

Press button

16. Central control lights

16.1 Add central control light

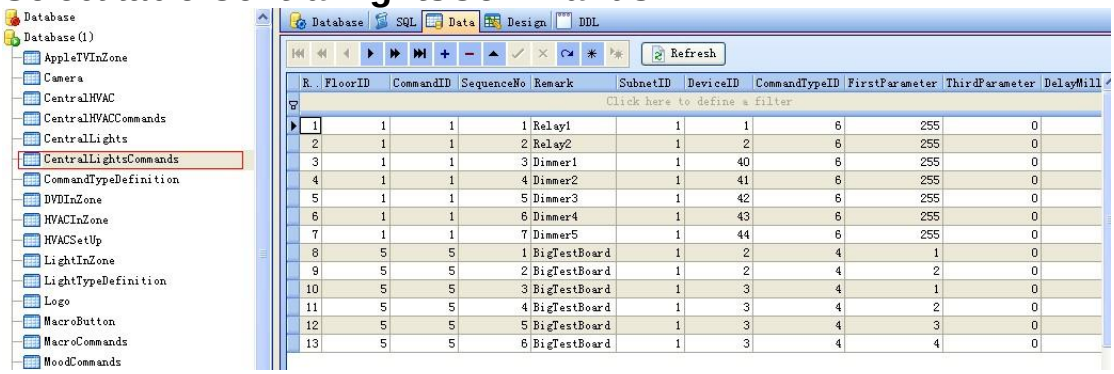
Select table:**CentralLights**



FloorID: used for take commands in table **CentralLightsCommands**
FloorName: show Floor name in iphone app
SequenceNo : Central control lights will be displayed according to the **SequenceNo**

16.2 Add commands for control lights

Select table **CentralLightsCommands**



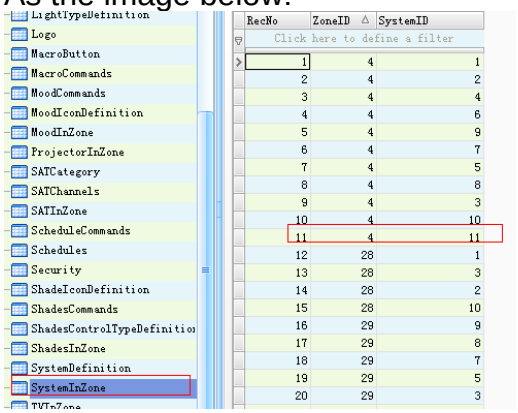
Add commands for the control lights.
For the definition of CommandTypeID, please see above

17 Fan

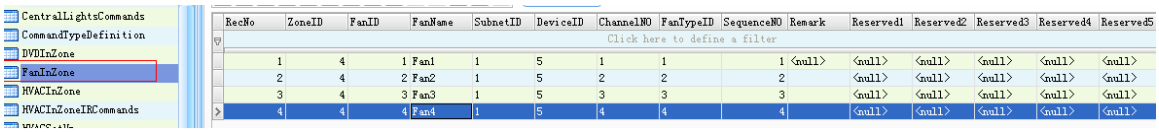
17.1 Add fan system in table ‘SystemInZone’

The systemID of Fan is 11

(take zoneID 4 for eg.)
As the image below:



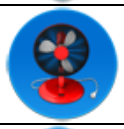
17.2 Add Fan control Module to FanInZone



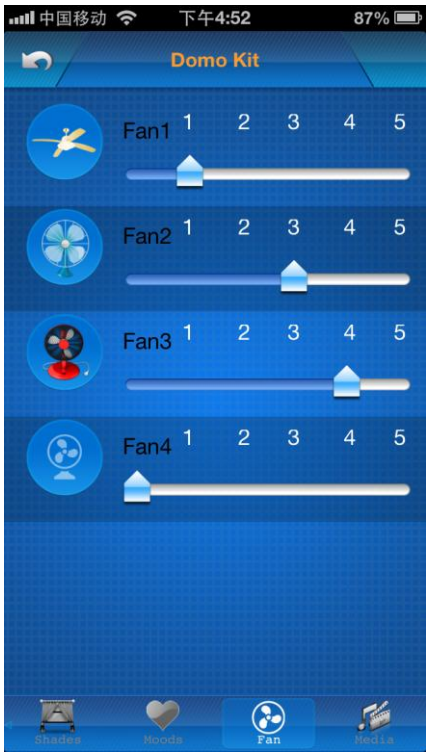
Explain of the field
FanID :Used to mark which fan
FanName:Fan display name
SubnetID:Fan module subnetID
DeviceID:Fan module device ID
ChannelNO:The channel number in Fan module of current fan
FanTypeID:Used to Display different icon for current fan

FanTypeID detail table

FanTypeID	Icon
1	

2	
3	
4	

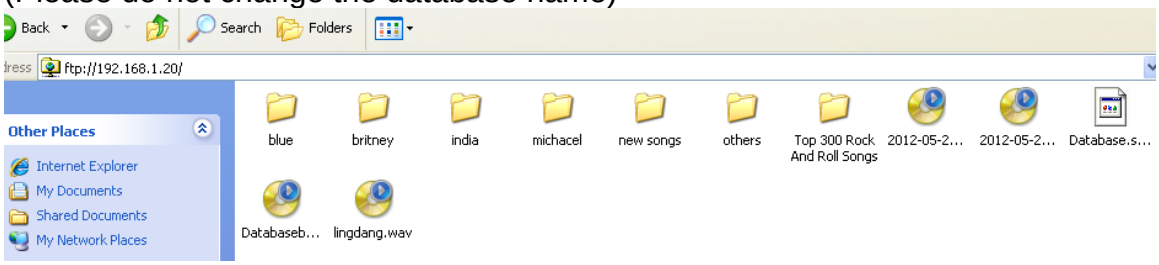
Download the database was edited, restart your app .



20. Download database to IPHONE/IPAD from FTP Server

Step1: Copy the database **Database.sqlite3** that you have programmed to the FTP Server
(Please do not change the database name)

Step 2: paste the database file on the root directory of FTP server
(Please do not change the database name)



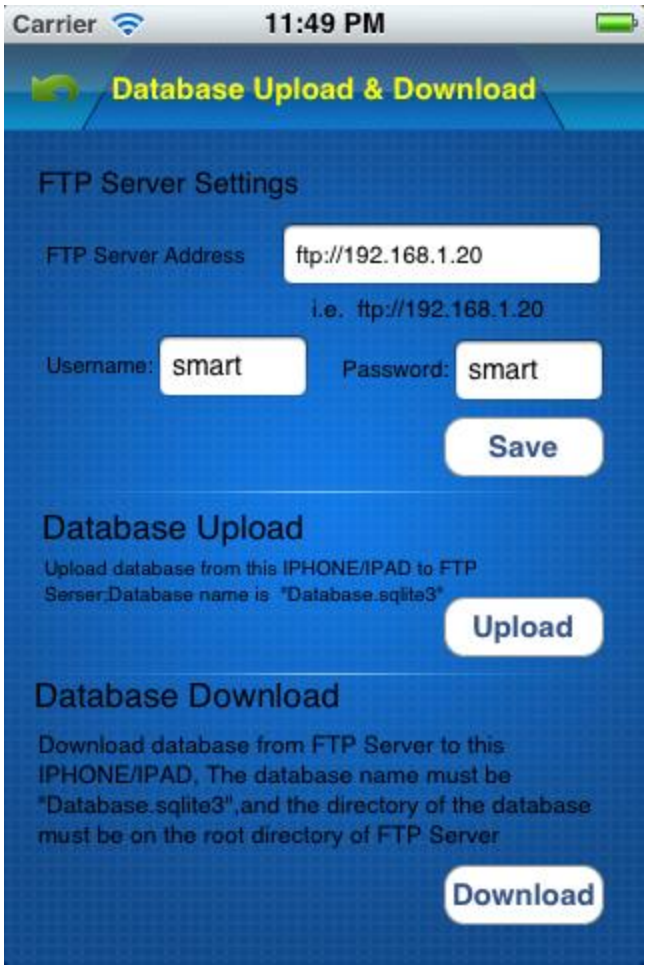
Step 3: Download database to IPHONE/IPAD from FTP Server

To go to settings page, click the G4 icon on top right corner on main page

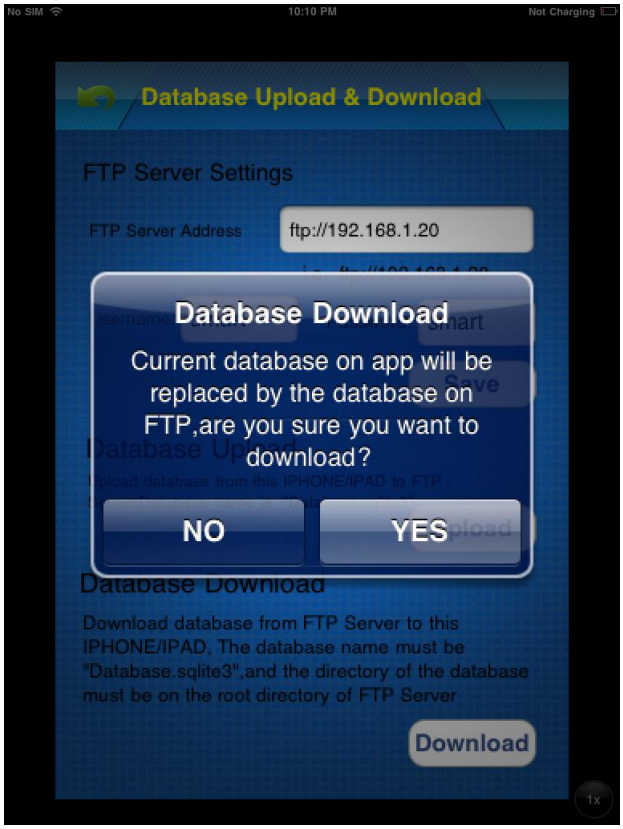
Press this G4 icon

Click the button **Database Upload & Download**

Make sure the FTP Server Address and username and password are accurate



Click button **Download** above



When the database is downloaded, the Smart-BUS IPHONE App needs to be restarted.