

Manual for SMART-BUS IPHONE App PRO

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2	Install software "SQLite Expert Personal" on your computer
3	Getting the database file "Database.sqlite3"
4	Open File Database.sqlite3
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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 Smarthomegroup website, here is the link:

http://smarthomebus.com/dealers/Softwares/SQLiteE xpertPersSetup%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, here are the steps:

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



편 Home F	tp Server					
New Men	use Use	ername	Password	Home dire	ctory	
Modify Me	mber					
Delete Me	mber					
Setting Start Ser Stop Ser	gs rver					
System Log	Ftp Server	Active Clients	File Monitoring	File Transfers	About	
Stopped No Clients			- Account del	eted smart		

Click the button **New Member**

Ftp Client Editor					
General Virtual Directo	ories File Con	trol			
User name:	smart				
Password:	smart		Generate		
Home directory:	F:\FTP		Browse		
Download Speed:	0	Bytes/s, 0 = No Limitation			
Upload Speed:	0	Bytes/s, 0 = No Limitation			
Disk space:	0	Bytes, 0 = Limited to disk	size		
Home Directory:		Virtual Directories (if any def	fined):		
Allow download file Allow upload files	s	Allow download files	Allow download files Allow upload files		
Allow renaming files	s (or directories) Allow renaming files (or d	Allow renaming files (or directories)		
Allow deleting files Allow change directory		Allow change directory	 Allow deleting riles Allow change directory 		
Allow creating directories		Allow creating directories			
Image: Allow deleting direction	tories	Allow deleting directories			
Apply			Cancel		
out the username.	smart				

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

💷 Home Ftp Se	rver			
New Member	Username smart	Password smart	Home directory F:\ETP	
Modify Member				
Delete Member				
Settings				
Start Server				
Stop Server				
System Log Ftp S	erver Active Clients	File Monitoring	ile Transfers About	
Running	No Clients	- Server started	l (Port 21)	

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



Select Anonymous

🚥 Ftp Server Settings	
General Anonymous Log Domain Aliases File Control Banned List Web Interface	
Allow anonymous users Anonymous Home Directory: F:\FTP	Browse
 Allow download files Allow change directory Allow upload files Allow creating directories Allow renaming files (or dirs) Allow deleting directories Allow deleting files 	
Dir Alias:	
Directory:	Browse
Virtual Directories:	Add
	Modify
	Delete
Download Speed: 0 0 Bytes/s, 0 = No Limitation	
Apply View Log File	Cancel

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

Carrier 🛜	7:53 PM	-
n /	Settings	
Database		
Dat	abase Upload & Download	
Fixed add	ress	
Fixed	address list for Demo versi	on
Version V1.3 P May 1	PRO 1,2012	

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

Carrier 🛜	1	1:49 PM	
Da	tabase U	pload & Dow	nload
FTP Ser	ver Setting	IS	
FTP Serve	or Address	ftp://192.168.1	.20
		i.e. ftp://192.	168.1.20
Username	smart	Password:	smart
			Save
Databa Upload data	ise Uploa abase from this	IDHONE/IPAD to F	тр
Selen Dala	iudse name is	Database.squies	Upload
Databa	se Down	load	
Download IPHONE/II "Database must be or	database fro PAD. The da .sqlite3",and n the root dir	om FTP Server to tabase name mi the directory of ectory of FTP Se	o this ust be the database erver
			Download

Click button Upload above

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

2 ftp://192.168.1.20/										
File Edit View Favorites Tools	Help									
🕞 Back 🔹 🛞 🕤 🏂 🔎 Sea	rch 🝺 Fol	ders 🛄 🕶								
Address 👰 ftp://192.168.1.20/										
Folder Tasks						\square	\square	۷	٩	exa
Rename this item	blue	britney	india	michacel	new songs	others	Top 300 Rock And Roll Songs	2012-05-2	2012-05-2	Database.sq e3
Copy this item	Ø									

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

Report Personal 2.4.45.2026	
<u>File Database Table View SQL Transaction Tools</u>	s <u>H</u> elp
Open Database	😧 Database 🗊 SQL 🗔 Data 🖭 Desig

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

Select database	e file	2 🗙
Look in:	🖆 from app 🛛 🕑 🤣 📂 🛄 🕶	
My Recent Documents	Database.sqlite3	
Desktop		
My Documents		
Sin Mu Computer		
My compater	File name: Ope	n
My Network	Files of type: Any File (*.*) Cancel Database Files (*.db3, *.db, *.sqlite) Any File (*.*)	;el

Open the file "Database.sqlite3"

All 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"

🖃 🚯 Database
— CommandTypeDefinition
- HVACInZone
—IIII LightInZone
- IIII LightTypeDefinition
- IIII LISTABLE
—IIII MoodCommands
- MoodIconDefinition
—IIII MoodInZone
- Estade I con Definition
—IIII ShadesInZone
- SongPresentsTABLE
- Esstem Definition
—IIII SystemInZone
—IIII TVInZone
—IIII ZAudioId
—IIII ZaudioInZone
- ZoneIconDefine
Zones

Click "+" on toolbar to insert record,



Here the fields of table Zone:

Field Name	Remark	Value			
ZonelD	This is the ID of Zone, every zone	It's number, Start from 1			

	has unique ZoneID.	
	1	
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 room list of main page	Letters
ZonelconID	This is the ID of Zone Icon, each ID stands for one icon.	from 0 to 15
	please see the definition below	
SequenceNo	This is the display order	Start from 1

The definition of Zone Icon

ZoneIconID	Icon name	Icons
1	Living room	
2	Bed room 1	
3	Meeting room	ALLEN TO THE OWNER
4	Kitchen room	
5	Garden room	

6	Parking room	
	T arking room	P
7	GYM	
8	Master bed room	
9	Bedroom 2	
10	Dining room	
11	Toilet	
12	Study room	

13	Stair	III
14	SMART G4 Demo kit	

Here are the examples: **Add Zone** ZoneID=10 ZoneName=Dining Room, ZoneIconID=10 (check the definition "**ZoneIconID**" above) SequenceNo=10

K	•	◀	Þ	₩	₩	÷	-		~	×	C4	*	▶₩	
	RecNo		Zo	neID	I	Zor	eNa	me		Zonel	[conIE	Se	quer	iceNo
8					Click	cher	e to	defin	ie a	filter				
		1			1	Livi	ng Ri	oom				1		2
		2	2		2	Bed	Roc	m			:	2		3
		3	}		3	Mee	eting				;	3		4
		4	ł		4	Dor	ne Ki	t			1	1		1
		5	5		5	Kito	henF	Room				1		5
		θ	5		6	Par	kingP	Room			ļ	5		6
		7	,		7	Par	king				I	5		7
		8	}		8	Gyn	nrool	m			-	7		8
		9)		9	Mas	tRo	om			1	3		9
₽		- 10)		10	Dini	ng R	.oom			1	ו		10

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

Modify Zone

Select the row of table "Zone", you can modify the room



Ч	💩 Database 📓 SQL 🧮 Data 🔣 Design 💟 DDL							
K	H 4	•	▶ ₩	₩	+ - 🔺	✓ × α	* 🐂 [Refresh
	RecNo		ZoneID		ZoneName	ZoneIconID	SequenceNo	
8				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	

Delete room

	RecNo	ZoneID	ZoneName	ZoneIconID	SequenceNo
8		Clic	k here to define a	ı filter	
	1	1	Living Room	1	2
	2	2	2 Bed Room	2	3
	3	3	8 Meeting	3	4
	4	4	l Dome Kit	14	1
	5	5	5 KitchenRoom	4	5
	6	E	ParkingRoom	5	6
	7	7	Parking	6	7
	8	8	Gymroom	7	8
þ.	-10	-10	Dipipa Room	-10	-10
			ecord Editor iext Editor mage Editor lex Editor let to NULL iet cells to value iet cells to NULL pelete selected re	t mode	
			ielect columns		

6. Systems in Zone

Systems definition

	T ETTTE IPTOTO TO THE APP TO BE AD	
🕽 Database	🚱 Database 📓 SQL 📴 Data 🔣 D	e
— CommandTypeDefinition		-
-IIII HVACInZone		/
-IIII HVACSetUp	RecNo SystemID SystemName	_
–IIII LightInZone	Click here to define a filter	
-IIII LightTypeDefinition		
-IIII LISTTABLE		
–IIII MoodCommands	3 3 7-Audio	
- MoodIconDefinition	4 4 5bades	
-IIII MoodInZone	5 5 mood	
- E ShadeIconDefinition	6 6 Apple TV	
–IIII ShadesInZone	7 7 DVD	
- E SongPresentsTABLE	8 8 Projector	
-IIII SongsTABLE	9 9 SAT.	
- 📰 SystemDefinition	10 10 TV	
- SystemInZone		

What systems does it have in each zone? It can be setup according to the real situation

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

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



Smart-Bus iphone App will show the systems of zone according to your settings



7. Lights in Zone

The lights of each zone are stored on the table LightInZone

Field	Remark	Value
ZonelD	The ZoneID can be known from the table Zones	Start from 1
LightID	ID of light	Start from 1
LightRemark	Light remark	

The Field of table "LightInZone"

SubnetID	Address of Dimmer / Relay	0-254
DeviceID		0-254
ChannelNo	Channel no of light	0-254
CanDim	Dimmable or not Dimmable	0 or 1
	if the light can be dimmed, it equal 1, if the light can not be dimmed, it equal 0	
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	Name	Icon
1	incandescent light	
2	spot light	
3	fluorescent light	
4	chandelier light	€

Add light 1 "surround", Press



Input data of light

🔒 🗣 😫 🎭 🔒 🔮 🛃 🗔 🎞	2 🗔 🛃 🕱 🕱 🔗 🔘 🎯 🔘 🍀 🌱 🗔 🖉 🧶 🖉 🕞 🔶 🥚
Database: Database Table: light_of_room File: C:\Users\	Mendel\Desktop\Database.db3
🖃 🔂 Database	🊱 Database 🗊 SQL 📴 Data 🔣 Design 🛄 DDL
command_type_define	
	If (((1) → → → + - ▲ ✓ × ○ * * *) ⊘ Refresh
- Iight_of_room	RecNo RoomID LightID LightRemark SubnetID DeviceID ChannelNo BrightnessValue CanDim LightTypeID
— light_type_define	Click base to define a filter
mood commands of room	Click here to define a filter
- mood_icon_define	▶ 1 1 1 surround 1 64 3 100 1 2
- 📰 room	

Add light 2 "fluorescent"



Limitless lights can be added to the zone.

Modify Light of room

	RecNo	RoomID	LightID	LightRemark	SubnetID	DeviceID	ChannelNo	BrightnessValue	CanDim	LightTypeID
8	7	Click here to define a filter								
Þ	•	1 1		surround	1	64	3	100	1	2

Delete the light of room

Select the row that you want to delete, right click and select "Delete selected record"

	RecNo	RoomID	LightID	LightRemark	SubnetID	DeviceID	ChannelNo	BrightnessValue CanDim L	ightTypeID
5	7				Click here	to define a f	filter		
	•	1	1	1 surround	1	64		2 100 1	2
		2	1	2 fluorescent	1	65		Record Editor	3
							2	Text Editor	
							23	Image Editor	
							8	Hex Editor	
							E.	Set to NULL	
								S <u>w</u> itch to Cell select mode	1
							E	Set cells to value	
							B	Set cells to NULL	
							⇒	Delete selected record	
l									-

8. AC in Zone Select the table HVACInZone



Filed of table HVACInZone

Field	Remark	Value
ZoneID	See the table Zones	
SubnetID	Address of HVAC or DDP	0-254
DeviceID		0-254

Others settings Select the table **HVACSetUp**

Field of table HVACSetup

Field	Remark	Value
IsCelsiur	Celsiur=true	True /False
	Fahrenheit=false	
TempertureOfCold	it's for most common	Number
	button	
TempertureOfCool	it's for most common	Number
	button	
TempertureOfWarm	it's for most common	Number
	button	
TempertureOfHot	it's for most common	Number
	button	

Carrier 🤝		8:21 PM			
5		Dome Kit			
	Â	26	°C	Ċ	
	8	21 .c	2	~	
Cool	Heat		Fan	Auto	
Low	MED.	55	High	Auto	
16°C Cold	22°C Cool		26°C Warm	30°C Hot	
P	HVA) c	2	Étv Redia	

9. Z-Audio Settings Select the table ZaudioInZone

- -III TVInZone
- 📰 ZAudioId
- ZaudioInZone
- ZoneIconDefine

Add the address of z-audio to the table ZaudioInZone

		RecNo	ZoneID	SubnetID	DeviceID
2	3		Click here to	define a filter	
I		1	1	1	200
		2	2	1	31
Г					

11. Download database to IPHONE/IPAD from FTP Server

Step1: Copy the database **Database.sqlite3** that you have programmed to the FTP Server



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





Click the button Database Upload & Download

Carrier 🛜	7:53 PM	
n /	Settings	
Databas	e	
	Database Upload & Download	
Fixed ac	ldress	
Fixe	ed address list for Demo version	
Version V1.3 May	9 PRO 11,2012	

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



Click button Download above

SIM 🙃		10:10 PM	Not Charging E		
	/ Database U	Ipload & Download	ov voj		
FTP	Server Settin				
FTP	Server Address	ftp://192.168.1.20			
	Databa	se Download	٦		
	Current database on app will be replaced by the database on ve				
Da	FTP,are yo	ou sure you want to ownload?			
E	NO	YES			
Dat	abase Down	nioad			
	nload database fr DNE/IPAD, The d abase sqlite3",and t be on the root d	rom FTP Server to this atabase name must be d the directory of the databa irectory of FTP Server			
		Downlo	ad		

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