

Manual for SMART-BUS Android App Official Pro Version

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A. SMART-BUS App for Android Demo version & Official PRO version

We provide 2 types of SMART-BUS android version, one is demo free version, and another one is official professional version.

Android demo free version:

The demo free version is available from our website,

Here is the link:

http://smarthomebus.com/dealers/Softwares/An droid%20V1.4%20Demo%20version.rar

The Demo free version has control function, you can control lighting, mood, HVAC, BOXEE media control, but it's not enable to get the status.

Please know that the Demo free version do not have any upgrade version.

The Official Professional Version:

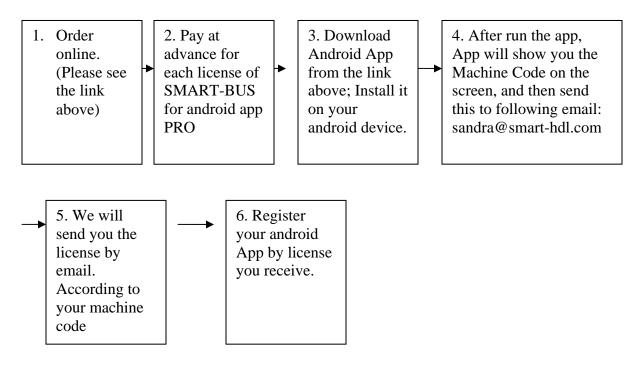
Download it online:

http://smarthomebus.com/dealers/Softwares/An droid%20V1.8%20Official%20Pro%20Version.ra r

To order online:

http://www.smart-supplier.com/form/

Here is the procedure for purchasing Smart-BUS for Android app PRO version:



Once you buy the official professional version, you will get the free upgrade version and technical support.

B. Install App to android device

B1. Please copy the folder "SMART-BUS" to the **root directory** of **External Hard Disk or SD Card** on your android device.

(Do not change the folder name and folder directory and any files name).

<i>.</i>				
tes	albumthumbs	Backup by Mendel	data	Data
ktop	File folder	File folder	File folder	File folder
nloads nt Places I new	deezer File folder	Document Files File folder	Downloads File folder	Flash File folder
s	media	File folder	Music	NDrive
ments	File folder		File folder	File folder
c	PDF	Pictures	Playlists	SMART-BUS
ires	File folder	File folder	File folder	File folder

B2. Go to "file manager" on your android device, Click the file "SMART-BUS.apk" and install it

B3. After you install it, you can see the icon "SMART-BUS Automation" on the desktop of android device; Click it to run the app.

C. Install tool "SQLiteExpertPersSetup for windows.exe" on your computer for programming.



If you do not have this tool, you can download it from following link:

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

D. Open database "database.db3"

Before you make any modification, we recommended you backup database "Database.db3" which is under folder "SMART-BUS" in case any mistake happen.

After you install the software "SQLiteExpertPersSetup for windows.exe",



run the software.

SQLite Expert Personal 2.4.45.2026	Statistical division in the local line line in the local line in t	
Eile Database Table View SQL Transaction Tool	ole Help	
No database		SQLite Library: [internal] version 3.6.23.1
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	<no data="" display?<="" th="" to=""><th></th></no>	
	<filter empty="" is=""></filter>	Customize
L	Record 1 of 13	
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Open the our database "Database.db3" you will find out database "Database.db3" under the folder "SMART-BUS"

 Compute 	er ► Me (G:	:) > Publish > Android > SMART-BUS	Automation V1.2 For Android 1.6 or	Above > SMART-	-BUS
 Include 	in library 🔻	Share with 🔹 Burn New fol	der		
ites	^	Name	Date modified	Type	ŝ
ctop		Database.db3	6/21/2010 4:33 PM	DB3 File	
inloads int Places		SMART-BUS.apk	6/22/2010 9:48 AM	APK File	

On the software "SQLite Expert Personal ", click the button "Open Database" on the toolbar

Report Personal 2.4.45.2026	
<u>File Database Table View SQL Transaction To</u>	ols <u>H</u> elp
No data' Open Database	😵 Database 📓 SQL 🗔 Data 眠 Desig

Choose the file "database.db3"

Select database file		-		and the second se	
🕞 🕒 🖌 « Me (G:) 🕨 Wor	rk 🕨 Google Android development 🕨 Publis	h SMART-BUS (for Smarthe	ome office) + SM/	ART-BUS june 21,2010	🕶 😽 Search SMART-BU 🔎
Organize • New folder					· 🗍 🔞
🚖 Favorites 🔶	Name	Date modified	Туре	Size	
Contraction Desktop	Database.db3	6/21/2010 4:33 PM	DB3 File	18 KB	
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🚝 Libraries					
Documents					
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실 迅雷下载					
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System backup (F ge mendel_lin (\\192. ▼					
File name:	Database.db3				▼ Database Files (*.db3, *.db, *. ▼
					Open Cancel
A T A A A A A A A A A A A A A A A A A A				EN.	

You will view all the tables of this database

SQLite Expert Personal 2.4.45.2026	Callenter and some Real Real Property in the local Real Property in the loc	
Eile Database Jable View SQL Transaction Tr		
	2 🗆 🔥 5 5 5 7 8 0 0 0 3 🖉 🗖 0 8 8 / 8 3 0	
Database: Database File: G/Work\Google Android develop	lopment/Publish/SMART-BUS (for Smathome office)/SMART-BUS june 21,2010/Database.db1 SQUe Li	brary: [internal] version 3.6-23.1
 Batabase Command, type, define Invac, ef, room Isjat, type, define Isjat, type, define mood_icon, define mood_icon, define mood_icon, define arrive, define 	• Fibers & Emply> • Fibers & Emply>	Cutomine
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From now on, you can start to make configuration.

E. Room Settings

before we make the configuration on 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 add/edit/delete data on the tables.

We store the data of room to table "room", Select the table "room" on the left side

🖃 🏪 Database
- 📰 command_type_define
📰 hvac_of_room
- Iight_of_room
- Iight_type_define
- 💷 mood_commands_of_room
- 📰 mood_icon_define
- 🎟 room
- 💷 room_icon_define
service_define

Click "+" to insert record (add room),see below picture

	Click "+" to insert record (add room)
SQLite Expert Personal 2.4.45.2026	
<u>File D</u> atabase <u>T</u> able <u>V</u> iew <u>S</u> QL T <u>r</u> ansaction T	iools Help
i 🔒 🗣 🗣 🍪 i 🕵 🔮 🔒 i 🗔 🎞 i	2 🗔 🛃 🕱 🕵 🕺 🔕 🔘 🎯 🔘 🖓 🍟 🗔 🖉 🤌 🧨 😒
Database: Database Table: room File: C:\Users\Mendel\[Desktop\Database.db3 SQLite Library: [internal] version 3.6.23.
Database Command_type_define min hvac_of_room	Obtabase SQL Opta Ets Design ™ DDL Image: SQL I
- 📰 light_of_room - 🛅 light_type_define - 🛅 mood_commands_of_room - 🛅 mood_icon_define	RecNo ID RoomIconID P Click here to define a filter * <null> Insert record ></null>
- III mood_name_of_room - IIII room - IIII room_icon_define - IIII service_define	

There are 3 fields of table "room", they are ID , RoomName, RoomIconID.

Field Name	Remark	Value
ID	This is room ID, it's very important for programming. It also will be use for other tables.	Number, Start from 1
RoomName	this is room name; it will be show on the room list of main page of android Application.	
RoomIconID	this field is for room icon, Please see the following	from 0 to 15

Define of Table "room"

define of RoomIconID	

The define of RoomIconID

RoomIconID	Remark	Icon
0	Default icon	-1
1	Bed room	~~
2	Dining room	2
3	Entrance	
4	Exhibition	
5	Family room	4
6	GYM	2
7	Guest room	<u></u>
8	Kitchen	
9	Lobby	
10	Manager room	1
11	Master bed room	
12	Meeting room	
13	Outside/garden	ě.
14	Parking	S
15	Stair	

Add room

ID=1 RoomName=Meeting Room, RoomIconID=12 (check the define "**RoomIconID**" above)

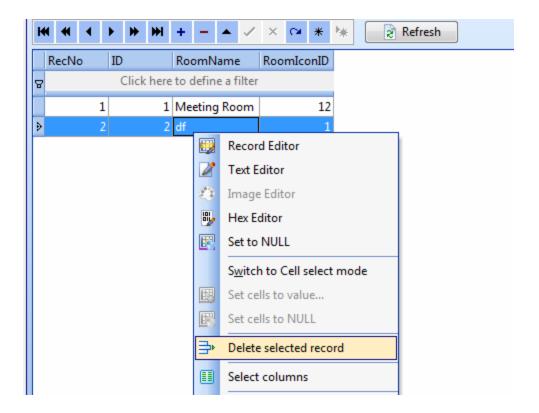
🖶 Database	🔒 Database 🗯 SQL 🗔 Data 🔣 Design 🛅 DDL
command_type_define	
hvac_of_room Iight_of_room	
- iight_type_define	RecNo ID RoomName RoomIconID
- mood_commands_of_room	
- mood_icon_define	1 1 Meeting Room 12
room icon define	

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

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

Database: Database Table: room File: C:\Users\Mendel\Desktop\Database.db3												
🖃 🖶 Database	6	👌 Data	abas	e f	s s	QL [🖥 Data		Desi	ign [DD	L
— command_type_define							-			_		
- 📰 hvac_of_room		•		•	₩.	₩	+ -	-	~	×	∾ *	**
- Iight_of_room	Г	RecN	0	ID			Room	Name		Roon	nIconID	
Iight_type_define	5	,		(Click	here	to defi	ne a fi	ilter			
								_				
- mood_icon_define	3			1 1			Meetir	ng Roo	om		12	2
- 💷 room												
- room icon define												

Delete room



F. Lighting settings of the room

Select the table "light_of_room"

-	hvac_of_room
-8	light_of_room
-8	light type define

The table "light_of_room" has 9 fields ,please see the define following:

Field	Remark	Value
RoomID	You can know the RoomID from the table "room".	Start from 1
	For example, the RoomID of meeting room is 1	
	which we have already added above	
LightID	ID of light	Start from 1
LightRemark	Light remark	
SubnetID	SubnetID and DeviceID are the address of	0-254
	Dimmer of Relay	
DeviceID	SubnetID and DeviceID are the address of	0-254
	Dimmer of Relay	
ChannelNo	Channel no of light	0-254
BrightnessValue	This is the percentage of lighting brightness, 0-	0-100
	100	
CanDim	0 or 1	0 or 1
	(1: the light can be dimmed, 0 : the light can not	
	be dimmed the light, only on/off)	
LightTypeID	Light type icon define (please see the following	1-4
	define)	

Table "light of room"

The define of LightTypeID

<u> </u>		
LightTypeID	Remark	Icon
1	incandescent light	•
2	spot light	
3	fluorescent light	
4	chandelier light	₩

Add light 1 "surround", Press

b Database

command_type_define

mood_commands_of_room mood_icon_define

hvac_of_room light_of_room

light_type_define

mood_name_of_room



[Insert record]

5

Input data of light

8. 8. 8. 8. 8. 9. 9. 10. 11	2 🖃 👪 🕱 🕱 🕱 🔕 🔘 🎯 🔘 👹 🌱 🖃 🖉 🖧 🖊 😂 👌 🔶
Database: Database Table: light_of_room File: C:\Users\I	\Mendel\Desktop\Database.db3
🖃 🔂 Database	🚱 Database 🗯 SQL 📴 Data 🖽 Design 🛄 DDL
— command_type_define	
- m hvac_of_room	Itt t + → → → + - ▲ ✓ × ↔ ★ be 2 Refresh
- Iight_of_room	RecNo RoomID LightID LightRemark SubnetID DeviceID ChannelNo BrightnessValue CanDim LightTypeID
- Iight_type_define	Click here to define a filter
- mood_icon_define	▶ 1 1 1 surround 1 64 3 100 1 2
mood_name_of_room	
- 📰 room	
room icon define	

Add light 2 "fluorescent"

‼ ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !								
Database: Database Table: light_of_room File: C:\Users\Mendel\Desktop\Database.db3								
🖃 🏪 Database	🚱 Database 📓 SQL 🥅 Data 🔣 Design 🛄 DDL							
- Iight_of_room	RecNo RoomID LightID LightRemark SubnetID DeviceID ChannelNo BrightnessValue CanDim LightTypeID							
- Iight_type_define - IIII mood_commands_of_room	ହ Click here to define a filter							
- III mood_icon_define	▶ 1 1 1 surround 1 64 3 100 1 2							
	2 1 2 fluorescent 1 65 1 100 0 3							

So you can add limitless lights to this room.

Modify Light of room

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

Delete the light of room

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



G. Moods Settings of Room

There are 2 steps to setup mood of room

Step 1: add mood name to current room (Table "mood_name_of_room")

Step2: add commands to current mood of current room (Table "mood_commands_of_room")

Step 1:

Select the table "mood_commands_of_room"

Batabase	🚱 Database 📓 SQL 📴 Data 🎛 Design 🛅 DDL	_
- 📰 command_type_define - 📰 hvac_of_room		
	RecNo MoodID RoomID MoodName MoodIconID SequenceNO	
mood_commands_of_room	Click here to define a filter	
mood_icon_define		
🎟 mood_name_of_room 🎟 room		
- III room_icon_define		

The define of table "mood_name_of_room"

Field	Remark	Value
MoodID	The id of mood	Start from 1
RoomID	The id of room, you can	
	find out the RoomID from	
	the table "room"	
MoodName	Mood name	
MoodIconID	This is the mood icon id,	
	you can choose the icon	
	that you want to use from	
	our icon library, please	
	see the define of	
	MoodIconID	
SequenceNo	Sequence ID, this field	Start from 0,

like the "Order By", it will arrange the sequence of	
show	

Define of mood icon ID

MoodlconID	Remark	lcon	
0	Default mood	()	
1	Goodbye	2	
2	Listen to music	"	
3	Mafia	2	
4	Meeting	۷۵	
5	Presentation	1	
6	Relax	2	
7	Romantic	\$	
8	watch movie	R	
9	watch TV		
10	All on	***	

Add mood name to the room

Press , then input the data like the following

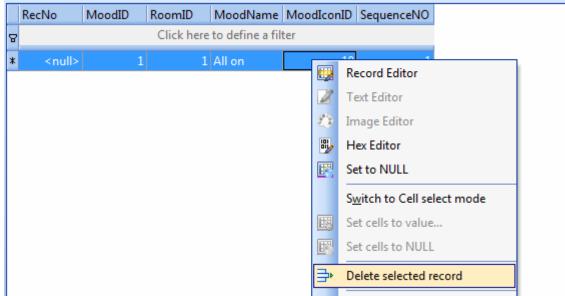
RecNo MoodID bomID MoodName MoodIconID Sequen									
k here to define a filter									
▶ 1 1 1 All on 10	1								

Modify mood name of room

Ke	ecNo	MoodID	RoomID	MoodName	MoodIconID	SequenceNO
8			Click here	to define a fil	ter	
*	<null></null>	1	1	All on	10	1

Delete mood name of room

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



Step 2:

Add commands of current mood

select the table "mood_commands_of_room"

The define of table "mood_commands_of_room"

FieldName	Remark	Value
RoomID	See the table "room"	Start from 1
MoodID	See the table	Start from 1
	"mood_name_of_room"	
CommandID	Command ID	Start from 0
SequenceNo	Sequence No, this is the sequence of your commands of current mood which to be executed	Start from 0
Remark		
SubnetID	Address of module	0-254
DeviceID	Address of module	0-254
CommandTypeID	Command type,see the	0-12

	define below	
FirstParameter	It has different meaning depend on the field "CommandTypeID",see the define below	0-255
SecondParameter	It has different meaning depend on the field "CommandTypeID",see the define below	0-255
ThirdParameter	It has different meaning depend on the field "CommandTypeID",see the define below	0-65535
DelayMillisecondAfterSend	Delay time after sent current command. 1 second=1000 millisecond Ex. If you want to delay 1 second, should input 1000	Start from 0 , unit: Millisecond

The define of Command Type

Comma ndType ID	Name	Remar k	FirstParamet er	SecondP arameter	ThirdParameter
0	Scene control		Zone No (0-254)	Scene No (0-254)	Unused (set 0)
1	Sequen ce Control		Zone No (0-254)	Sequenc e No (0-254)	Unused (set 0)
2	Univers al 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 (1-254)	Brightnes s percenta ge (0 -100)	Running Time, unit: second (0 -3600)

5	Broadca st 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	Broadca st All channel s	Control all the channels of current module	Broadcast all channels (Must be set 255)	Brightnes s percenta ge (0 -100)	Running Time, unit: second (0 -3600)
7	Curtain Control	Control curtain if you are using our 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	GPRS Control	Control our GPRS module (SMS module), Before you use this GPRS command, You need use GPRS managem ent software to make some configurati ons	Type ID (0: invalid 1: SMS Message)	GPRS Comman d No (0-255)	Unused (set 0)
10	Panel control		FirstParamet er (TypeID) 0 (invalid) 1 (enable/disab le IR receive function of	SecondP arameter (Value) 0 0: (disable) 1: (enable)	ThirdParameter (unused) 0 0 0

		DLP)		
		2 (enable/disab le key lock of DLP)	0: disable key lock of DLP 1: enable	0
			key lock of DLP	
		3 (Power on/off of Air condition)	0: (power off) 1: (power on)	0
		4 (Set cool temperature)	0-30 (cool settings temperat ure, you can see the temperat ure range from DLP of SBUS software)	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 (Set Heat temperature)	0-30 (heat settings temperat ure, you can see the temperat ure range from DLP of SBUS software)	
11	Security	Zone no	Mode No	Unused

	Mode control	(1-8)	1: vacation 2: away 3: night 4: Night with guest 5: Day 6: Disarm	(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)

Add command of mood

R	ecNo	RoomID	MoodID	CommandID	SequenceNo	Remark	SubnetID	DeviceID	CommandTypeID	FirstParameter	SecondParameter	ThirdParameter	DelaySecondAfterSend
8							Click here to	define a filter	ſ				
Þ	1			4 1		goodbye in meeting room 1		65					
	2	2 1		4 2	2	goodbye in meeting room 2	1	64	0	1	0	0	0

Modify command of mood

	RecNo	RoomID	MoodID	CommandID	SequenceNo	Remark	SubnetID	DeviceID	CommandTypeID	FirstParameter	SecondParameter	ThirdParameter	DelaySecondAfterSend
e B						C	lick here to o	lefine a filte					
Þ		1 1	L 4	1		goodbye in meeting room 1	1	65	4	1	0	0	0
	1	2 1	4	2	2	goodbye in meeting room 2	1	64	0	1	0	0	0

Delete command of mood

	RecNo	RoomID		MoodID	CommandID	Sequence	٥V	Remark	SubnetID	DeviceID	Comr
8								Cli	ck here to o	define a filte	r
₽		1	1	4	1		1	acadhua in maating room 1	1	65	
		2	1	4	2		9	Record Editor	1	64	
							2	Text Editor			
						a a a a a a a a a a a a a a a a a a a	٥	Image Editor			
						[۳,	Hex Editor			
								Set to NULL			
								S <u>w</u> itch to Cell select mode	1		
								Set cells to value			
								Set cells to NULL			
							₽	Delete selected record			
						6	==)	C-I+!	1		

H. HVAC Settings of Room

We will control HVAC by DLP panel, so we just need to set the address of DLP. Select the table "hvac_of_room"

🔒 Database
- 📰 command_type_define
🎫 hvac_of_room
-Iight_of_room

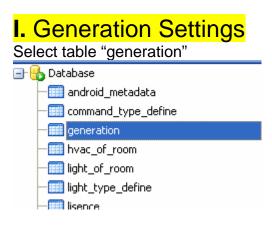
Define of table "hvac_of_room"

Field	Remark	Value	
RoomID	See the table "room"		
SubnetIDOfDLP	The address of DLP	0-254	
DeviceIDOfDLP	The address of DLP	0-254	

Setup HVAC of room

For example: The address of DLP in current room is: Subnet ID: 1 Device ID: 6





If you are using Smart-BUS G4, then you need set **GernerationNo**=4 If you are using Smart-BUS G3, then you need set **GernerationNo**=3 please see the picture below.

	RecNo	Gene	rationNo	Remark
8	C	lick here t	o define a	a filter
Þ		1	4	G4=4,G3=3

J. Copy your database to android device

You need to know that before do it: Do not change the database name Do not change the location of folder "SMART-BUS" Do not change the folder name "SMART-BUS"

After you finished the modification of database, you need to copy the database to android device (SMART-BUS android application is located under folder "SMART-BUS" of the root directory of android device)

Step1.You need to close the software "SQLite Expert Personal" before you copy the database "Database.db3"

Step2. Connect your android device to your computer by cable.

Step3. The "SMART-BUS" android application is located under the folder "SMART-BUS" of android device, before you update database, you'd better backup your old database.

Then copy your latest database that you have modified under the folder "SMART-BUS" of android device, and replace it.

퉬 🕨 Computer	 Archos 5S Internal Hard Drive 	SMART-BUS
ites ktop	Database.db3 DB3 File 18.0 KB	SMART-BUS.apk APK File 1.98 MB
vnloads ent Places od new		Type: DB3 File Size: 18.0 KB Date modified: 6/29/2010 2:27 PM

You don't need install the application again, because you just modify the database, the application file APK and database is separated.

Go to run "SMART-BUS" application, you will see the results what you did.

If have anything wrong, please check your database settings.

If you have any questions, please contact me.

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