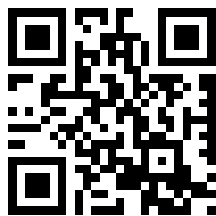




# 2014 PRODUCT CATALOGUE



[www.smarthomebus.com](http://www.smarthomebus.com)



**SMARTHOME**  
GROUP  
*Smārthome for everyone*

THE BEST CHOICE FOR HOME AUTOMATION  
SMART INDUSTRY CORP. USA



# LETTER FROM THE CEO

*Dear customers and partners.*

*We always appreciate your Contributions of Ideas to Smart-Industry which has been the source of our Product Innovations. Smart-BUS G4 is based on your personal experiences, lifestyle needs and the dynamic technological new necessities.*

*“At Smart-Group we are driven by achievement using both: Speed and Accuracy as our Engine” The New (G4) Generation-4 Smart Automation Solution is Made to reach everyone's hand: “providing Luxury systems with cutting edge technology at affordable prices”*

*We Promise you to our Maximum Capacity:*

- A) To Innovate New Product Ideas*
- B) To Simplify the Usage for everyone*
- C) To make Prices More affordable*
- D) To Support your needs*

*The Growing International Network of Dedicated Distributors and Professional Dealers has made us more Keen to exert more force on Quality and Speed of Delivery enabling us to serve Millions of customers worldwide. For this reason, Smart-Industry has Invested Millions of Dollars to Create High End SMT/SMD Mounting and Automated Assembly Lines to cater to the growing overwhelming demand on G4 Automation Technology.*

*We thank you for your support always, together we shall live in style.  
Thank you,*

*F. Mazloun*

Mr. Firas Mazloun  
President & CEO , SMARTGROUP





**Smart-Group** was originally Established by Digitcom: A Santa Monica based company Registered in California in 1986. Since its establishment the Company has concentrated research and development on Technology of Communication and Control with several Patents and registered Trade Marks. The Company has grown in size, collective expertise and has branched into many countries around the world.

**Smart-Industry Group** is a group of Companies that works together to fulfill One Target:(Techno Lifestyle Product Development and Solution Packaging)

#### The Industry Group Consists of the following Companies and Entities

**Smart Labs Inc.** : An Entity Created for Complete Research and Development in Hardware and Firmware Level

**Smart Soft Inc.** : An Entity Created to Provide Total Software Support

**Smart Industry Inc.** : An Entity Created to Manufacture The Products of Smart-Labs to the Highest Standards of Quality

**Smart Solutions Inc.** : An Entity Created to Market Smart Industry Products, and To Partner with other Manufacturers to out-source or to OEM Integrated Products that Create Complete Plug and Play Solution Packages.



SMART LABS

SMART INDUSTRY

SMART SOFT

SMART SOLUTIONS

**Smart-BUS G4** Products are Researched, Developed, Designed, Tooled, Manufactured and Quality Controlled by 100% Owned Smart-Group Facilities.

#### The Logistics are Served by :

- Main Logistic center in China
- Dubai Logistical Facility for MENA Region
- Germany Storage Facility for Europe
- Distribution Facilities in Several HUBS in Africa, USA, Latin America & Russia.

#### Research and Development comes from Several Design Offices in:

USA for Concept, Denmark for Design, Germany for Engineered Parts, Dubai for Lifestyle Functionality, And China for Parts assembly and Mechanical Tooling Technology.



**Smart-Group** has invested in Securing the presence and future of Smart-BUS Products. Smart-G4 Products today are Our Pride, and accordingly are patented for Technology, Protocol, Engineering Design and Topology. In Addition, Our Smart Brand Logos are Registered Trade Mark IP of Smart-Group Team.



SMARTHOMES GROUP DUBAI

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Addr : No.135, Huancheng Road, Mawu Village, Qiaoli Management Community, ChangpingTown, Dongguan city, Guangdong province, China.



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digitcom@eim.ae

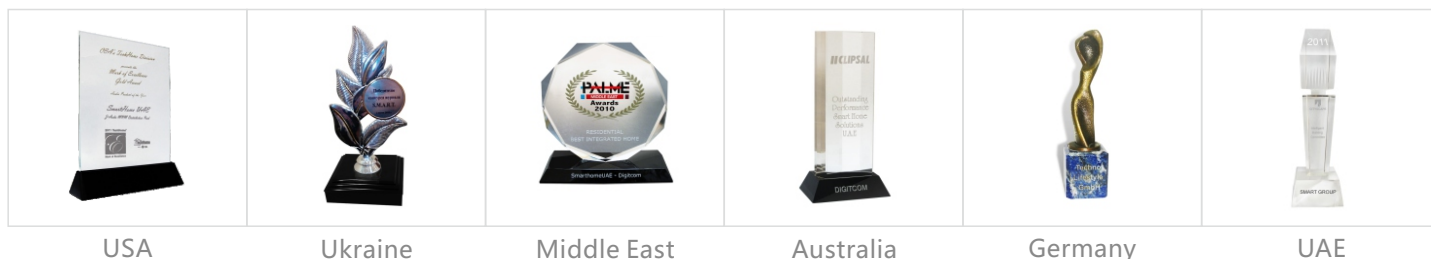
## Patents



## ISO & CE Mark



## Awards



USA

Ukraine

Middle East

Australia

Germany

UAE

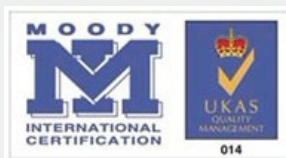
## Testing Certification and Quality Control

The Smart-BUS G4 Automation and control Products go through extensive Tests to guarantee safety and Quality operation under Harsh conditions and even a certain level of Protection against wrong Installation safety. Accordingly 11 Levels of IQC/PQC/FQC/and QA are daily applied during Manufacturing Stages. And To Ensure Conformity to International Standards Several Labs measure, test and certify the products produced by Smart-Industry for Electromagnetic interference, Low current, and Low voltage safety needs. Most of The Products Sold and produced By Smart-Group Hold Many of these Marks: Some of which are: CE , Russian, ETS, while some other Conformities are still being Processed and Tested at different Countries Entities.



## ISO

Smart-Group has Acquired 3 ISO Standards to help Utter Quality of Manufacturing and Its Production facility:



We are ISO 9001-2008  
Quality Management  
Certified.



We are ISO 14001-2004  
Environmental management  
(Green) Certified



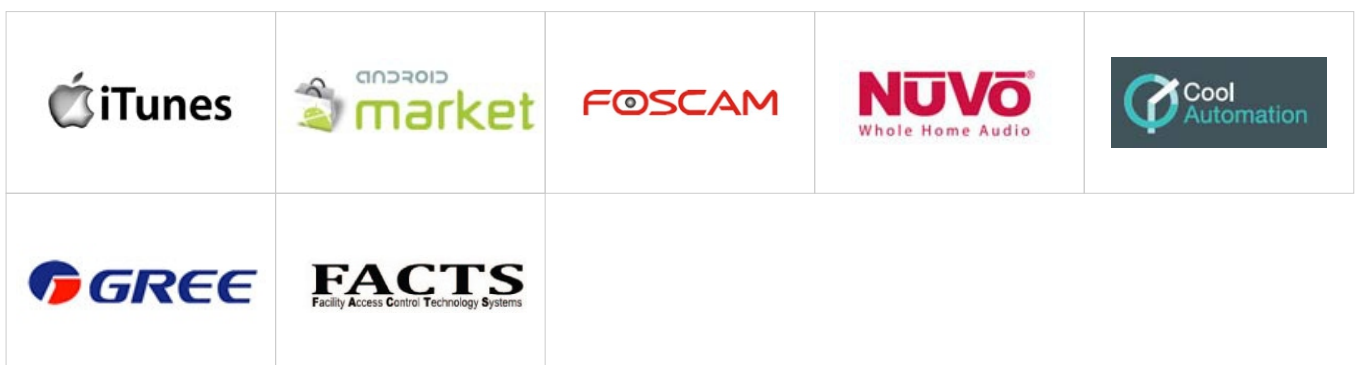
We are OHSAS 18001-2007  
Occupational Health and  
Safety Zone Certified

## Memberships:

Smart-Group is Nowa Member of many World Organizations and Development entities some of which are:



## Connectivity Partners:



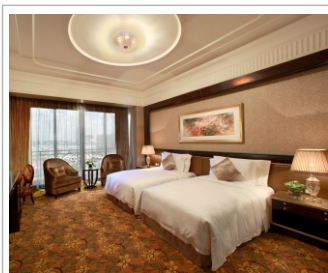


## Solutions that Smart-G4 Can Provide

Smart-BUS G4 is not Just a Product, it is a complete Lego like Solution that can be customized and packaged to fit different application needs.

Smart-BUS has successfully been implemented in many small to mega size Buildings and Projects around the world successfully providing High end Comfort, Lifestyle and Energy Savings Solutions

### Some of the Conceptual Solutions that Smart-G4 Can Provide are:



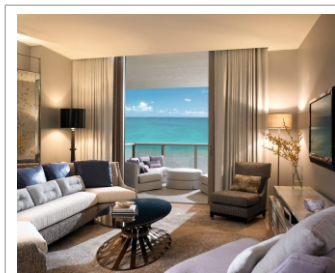
Smart Hotel GRMS



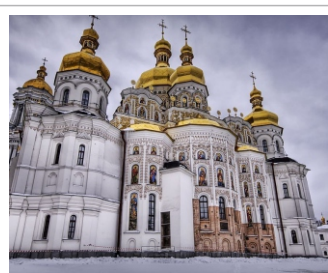
Architectural Intelligent Lighting



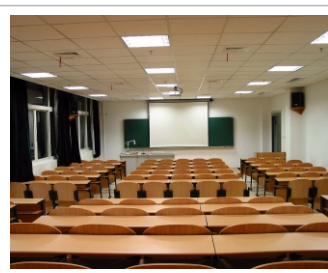
Smart Yacht Solution



Smart Home



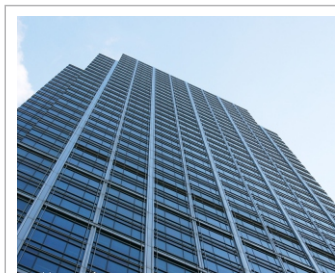
Smart Prayer Hall



Smart School



Smart Hospital / Smart Clinic



Intelligent Building



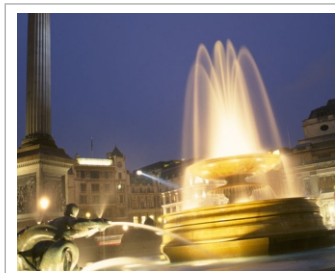
Smart Club



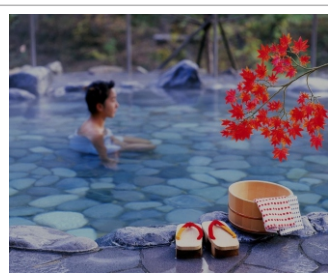
Smart Restaurant



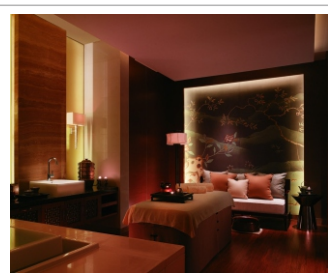
Smart Mall



Musical Fountains and Show Control



Smart Spa / Smart Resort / Smart Beauty Saloon



Smart Congress Halls, Towers, and Banks



Among Many Other concepts that can be custom fit either to sub-zones or to a complete Mega structure.

#### G4 Smart-BUS Integration Interfaces to Third Party:

Smart-BUS is flexible enough to integrate to almost any third party Device seamlessly as following but not limited to:

Televisions, DVD Players, Satellite Boxes (Integrate by using Macro IR Emitter, BY using RS-232, or 3R)

Motorized Projection screen, Projector Lifters, Plasma Lifters (Using relays, Using IR, or by using RS-232-485)

HVAC (Using IR for Split type, BY using RS-232 for VRV, Using 0-10 for VAV, Using Relays for FCU/AHU and Chilled Water Cooling )

Fire, and Burglar Alarm systems (Using relays, BY using RS-232, Using 0-5 Volts)

Fluorescent Dimmable Ballasts (Using 0-10V, Using DMX , Using Broadcast Dali)

Pumps, Water Boilers and Heaters (Using Heavy Relays, BY using MOD-BUS and RS-232)

Long Range RFID and access Control (using RS-232/485)

Gate and Garage Motors (Using Contact Relays, BY using RS-232)

Curtain Motors and Shades or Drapes (Using IR, BY using RS-232, Using Relay contacts)

Electro tented Glass (Using Relays and Dimmers)

LED Color Changers and color Wheels (Using DMX Drivers, Using Pass through relays, using LED Driver)

Weather Stations (Using RS-232)

Irrigation Systems (Using relays to control Solenoids, or BY using RS-232)

Mirror Defogger Sheets (Using relays)

3rd Party Lighting Control System (Using RS-232, using KNX/EIB, Zigbee, PCS Bridges, DMX)

Media Streaming Boxes like Boxee, Z-Audio, Apple TV ++ (Using UDP IP Protocols, using IR)

Audio Multi-Room like Nuvo, Russound, Channel vision (Using IR, BY using RS-232)

Presentation and Media Scallers (Using IR, BY using RS-232)

Jacuzzi, Water valves (Using RS-232, Relays and sensors)

Electric Generators (Using S-BUS Gensen)

Central Battery System (BY using RS-232, 0-5V)

BMS system (Using OPC Bacnet Server, BY using RS-232, 4Z, 4T, Relays, I/O)

CCTV and DVR (Using IR, BY using RS-232, Using RSIP)

Pool Heat Exchange and Filtration system (Using relays, BY using RS-232, 4T)

Examples of the 3rd party Branded systems that Smart-BUS has been used to control or communicate within several Projects worldwide:

- Honeywell
- Clipsal
- HAI
- Nuvo
- Opus
- Crestron
- Mitsubishi
- Daiken
- Carrier
- Sony
- Onkyo
- Yamaha
- Denon
- Integra
- Sunseeker
- Somfi
- Silent Gless
- Cissco
- Avaya
- Quantran
- Polaron
- Futronix
- Lite Touch
- Preussen
- Cool Master
- Makita
- Philips Dynalite
- Cytech Comfort
- Micro-idee
- Optoma
- Bose
- Buttkicker
- RCS
- Humax
- Panasonic
- Bechamp
- Iridium Mobile
- HCL AEGIS
- RAIDD
- FDL, HDL, and Strand
- And Many Other Brands



In Short, Smart-BUS is the future platform to unite Home Automation Entertainment and Intelligent Building Technology Today.



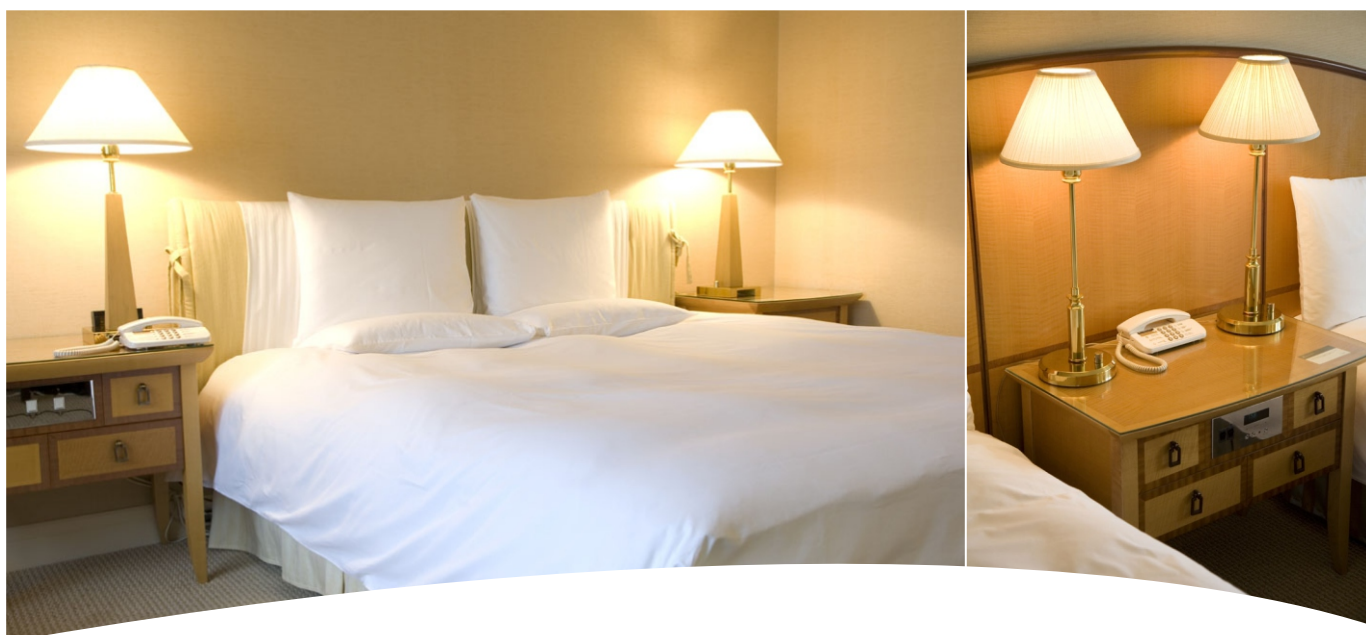
## G4 Automation System Capacity



Measure Criteria	Capacity
Cable Length in Single S-BUS Network	1.5KM
Maximum Number of Devices in One S-BUS	254
Maximum S-BUS Networks Bridges	254
Maximum Mixed Devices	64,516.00
Maximum Lighting Channels	1.4 Million Channels
Maximum HVAC Modules	60,000.00
Maximum Addressable Sensors	250,000.00
Maximum RS-232/485/IP Bridges	60,000.00
Maximum Hotel GRMS (Rooms)	6,000.00
Maximum Soft Buttons per DDP	48.00
Maximum HVAC Controls Per DDP	9 HVAC Units (1 Master + 8 Slaves)
Maximum Pages Per DDP Menu	15 Pages (9 HVAC+1Music+1Floor Heating+4 Dynamic)
Maximum Zone Audio Zones	60,000.00
Maximum IR Signal Distance	10 Meters
Maximum Number of IR Codes Per Device	254.00
Response Time to Control 720,000 Lights	25 Seconds
S-BUS Operating Voltage (Perfect)	24VDC
S-BUS Voltage Data Operating Range	8-36VDC
S-BUS Network Topology	Daisy, Star, Mesh
Electrical Standards Accepted	80VAC-110VAC / 220VAC-230VAC (60Hz/50Hz)
S-BUS Protection	Short Circuit, Reverse Polarity
Electrical Protection	Overload, Over Heat
Z-Audio Maximum Play List	47 Lists, Each 250 Songs
Maximum I/O	50,000 Ports
Z-Audio Maximum PA Prompt Files	250.00



## Hotel GRMS Capacity



System	Specs
RFID Standard	Mifare
Data Storage Per card compatibility	Model S50=1KB / Model S70=4KB
One Guest Card Can Handle	1-50 / 1-100 Maximum Rooms
Master card System Can Handle	6000 Rooms Maximum Per Hotel
Operating Voltage	24VDC
Voltage Tolerance	12-36VDC
System Consumption Average in Total	250 ma Per Guest Room
Card Access Functionality	Online / Off Line
GRMS Service Status Update	Direct Online
Report Room Ready By House Keeping	Online Possible
Request Engineering maintenance and Support	Online Possible
Modules Levels Available	Front Desk, Security, Engineering, House Keeping, Admin
3rd Party Integratiblkity	RS232, RS-485, TCP/IP
Ready Connectivity	Micros Fidelio (Opera)
Class of Service	254 Levels
Offline Memory Log Allocated	54000 Records (with Auto Over write older ones)
Online Log Sync Download and Release	Automatic to SQL Server
Door forgotten Open Alert (Guest Only)	Default = 12 Seconds (Enable/Disable Possible)
Energy Card Delay Time	Default= 10 Seconds (Adjustable by Software 0-250 Sec)
Blacklist Limit	100 Cards Per Room
Bedside Controller Lights Sleep Operation	Panel Lights Off after 30 Sec, Menu Lights Dim in 1 minute
Card Holder Moods	10 moods Max, SW selectable By Front Desk
Maximum Building Numbers	255 Identifiers
Z-Audio Maximum Play List	47 Lists, Each 250 Songs
Maximum I/O	50,000 Ports
Z-Audio Maximum PA Prompt Files	250.00



## What Makes G4 Different:

Smart-BUS Generation 4 (G4) is diverse in comparison to older generations of S-BUS and altered if compared to Almost Any other Automation System Available today from other Manufacturers and Suppliers.

### G4 as Compared to the old Smart-BUS:

- Easier and More Flexible Installation
- Elegant Finishes and Materials
- Easy Backup and Restore for All Devices
- 25 Language Configuration Support
- Each Device has Multi Features and multi-Usage (Less Equipment)
- More Compact Devices and Wider range of ideas
- Faster response, Bigger Device Memory

### G4 Compared to any other Systems:

- One Complete Solution from one Manufacturer and a single control Protocol
- Most Flexible Wiring system and Materials available today
- Unmatchable Number of Devices that can be installed in a single Network
- Simplest Manual Programming Ever made available to a Luxury System (7 Seconds without PC)
- Real Open Protocol, and Easy Seamless Integration

## Why Go G4?

### Among the Many reasons to choose G4 by Smart-Industry Group are:

- Available, Stable & Widely tested
- Affordable
- Elegant to extreme Luxury
- User friendly
- Expandable
- Easy Wiring
- Fast Programming and configuration
- Continuous Research & Development
- Excellent Support
- Expanding Global Network



# Magic Of DDP/DDPs/CDP

One Touch To An Easy Lifestyle



The Magic of DDP/CDP is not only in its elegant compact Design created by an Architect to satisfy the taste and needs of many Designers. DDP has many other advanced features that make it really magical:

- Magical Modern LCD/OLED Display and LED backlit Key pads that give High-end Technological Look
- Magical Dynamic Display Panel that is easy to understand and use because it is supported by pictures and multi-lingual text next to each button. Compared to Normal manual switches.
- A Single DDP/CDP is the solution for cancelling wall agony by replacing all room wall-mounted conventional controls like: Thermostat, Light switches, Volume controls, Manual rotary dimmers, Motorized Shades switch, Water Heater and Fan Control Switches.
- Changeable Fascia colors and Material to fit any Wall Design
- Can Control local Room temperature as well as 8 Other Rooms interchangeably
- Can Display MP3 Music Song Name, Album, Duration, Elapsed Time, with Play, Stop and Volume control.
- User Can Program His Own Scenes Manually as to be needed and Change from time to time
- Easy To Install, easy mounting by Magnets, and lock by screws
- Can Control Using IR hand Held remote control
- Can Be wall Mounted or Table Top-Stationed

Comes in 3 Models and Sizes:

- European – DDP G4 Framed, Surface Mount
- US – DDP G4 Slim, Surface Mount
- Universal – CDP G4 Slim, Flush Mount



Dynamic Display Panel Slim

CDP



# General System Diagram

## CABLES

	LAN
	S-BUS
	A/V
	DC24V



## Design Example

### Gulf Yacht



### Do you own a Yacht as your Luxury Transportation?

Yacht is like your home away from home. SmartGroup lets you enjoy the same features what your home can do, like controlling your lights, playing music, adjusting the curtains, setting the thermostats in one touch.

**SmartGroup** is offering all this yacht automation services to feel not only luxury but also a comfortable lifestyle.

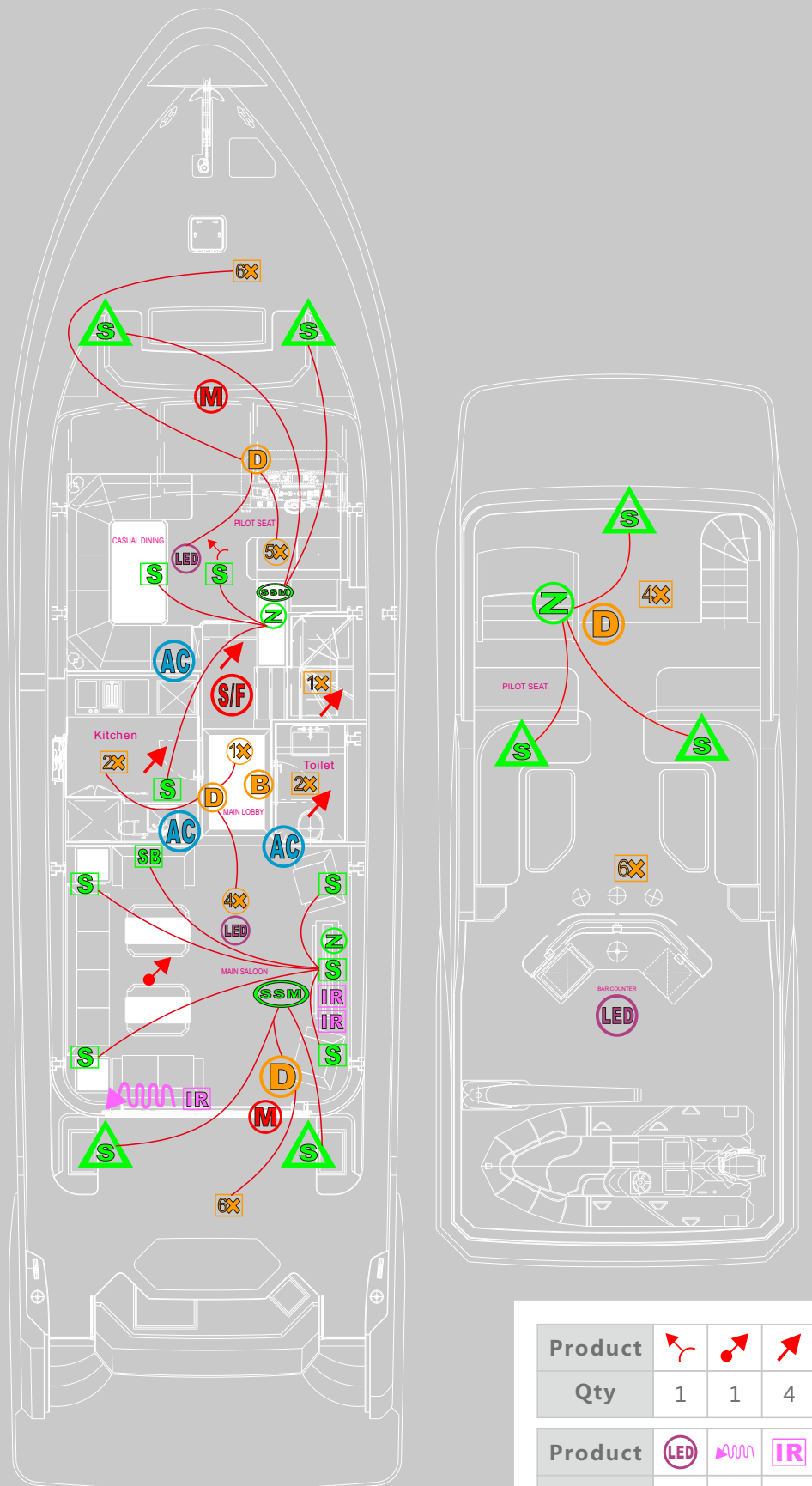
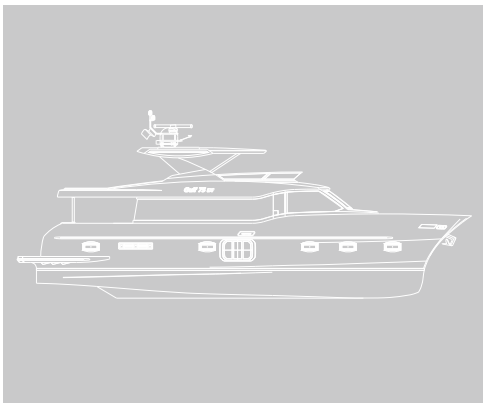


# Design Example

## Gulf Yacht

## Design Example

### Gulf Yacht



Product											
Qty	1	1	4	1	2	3	1	1	1	1	1
Product										Total Estimated Cost USD **,***	
Qty	2	1	3	3	7	8	1	2	3		





## Products

BY SMART INDUSTRY USA

[www.smarthomebus.com](http://www.smarthomebus.com)

International Management Systems Certified:  
ISO 9001:2008, ISO 14001:2004 and  
OHSAS 18001:2007



**SMARTHOME**  
GROUP  
*Smart home for everyone*



## Lighting & Dimming

### Mood Lighting & Dimming Control MODULES



#### Smart-Bus Relay 12ch 10Amp /ch, DIN-Rail Mount (G4) - SB-RLY12c10A-DN

GTIN (UPC-EAN): 0610696254375



0 610696 254375

#### Description:

DIN-Rail Mount Switched Pass Through Relay 12ch 10A /per ch. with scene controller Multi Phase, Multi-Current, Multi voltage. Software Selectable programmable Motor function: Double Throw Dipole Grouping. Work 220/110 VAC, 50-60Hz as well as 1.5-48VDC (Green operated supplied by 24VAC/12mA) Small and elegant with easy labeling space, output status LED indicator, network health, broadcast address button and Momentary channel button. Can be used in any location that require energy saving, intelligent control such as apartment, Villa, Offices, Restaurant, Hotels or factories.

\*Can be Manually Programmed by any Electrician on site without need for PC.

\*\* (This is an Advanced 2-way module. Changing load status manually reflect and update on all Connected SW & Devices)

#### Applicable Pictures Example:

• Homes • Hotels • Restaurants • Luxury Boats • Schools • Factories • Prayer Halls • Commercial centers



• Homes↑



• Hotels↑

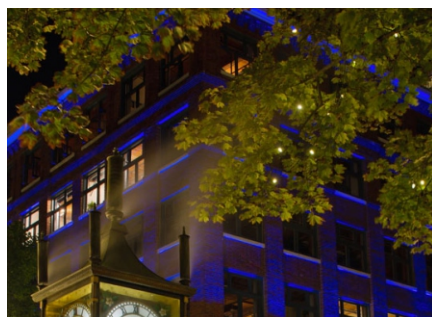


• Prayer Halls↑

• Luxury Boats ↓



• Schools ↓



• Factories ↓



Dimmer 2ch 6Amp



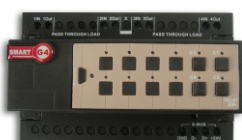
Dimmer 4ch 3Amp



Dimmer 6ch 2Amp



Dimmer 8ch 1.5Amp



Relay 4ch 20Amp



Relay 6ch 16Amp



Relay 8ch 16Amp



Mix24 Controller



Flourecent Ballast(0-10V)



LED Driver/Dimmer 4Ch



DALI Bridge Module



DMX 48 Bridge Module



3Relay Trail Click



LED Flicker Suppressor



2R Mini Relay Module 5A



3R Mini Relay Module



1Dimmer 1Relay Trail Click



2Dimmer 1Relay Trail Click



1Dimmer 2Relay Trail Click



2Relay Trail Click



# Smart Power Strip 8

Do-it-yourself (DIY)



## Smart Power Strip 8 Features:

- Free IOS/Android Control App (Direct Store Download)
- Wi-Fi enabled (Creates its own direct, Wi-Fi zone included)
- 6 Sockets, 5Amp each (On/Off Control)
- 2 Lighting assigned Dimmable Sockets, 1Amp (Increase/Decrease Intensity)
- S-wave Bridge enabled & S-BUS Ready
- IR Hand Held Remote enabled (IR Eye)
- Universal Plug Sockets Enabled to fit maximum Countries standards
- Scheduling enabled
- Create your own Group or Moods
- Master Power Switch On/Off
- Installs in 5 seconds / No tools needed
- Plug n Play (True DIY)



0 610696 255150

## Flexibility in Control:

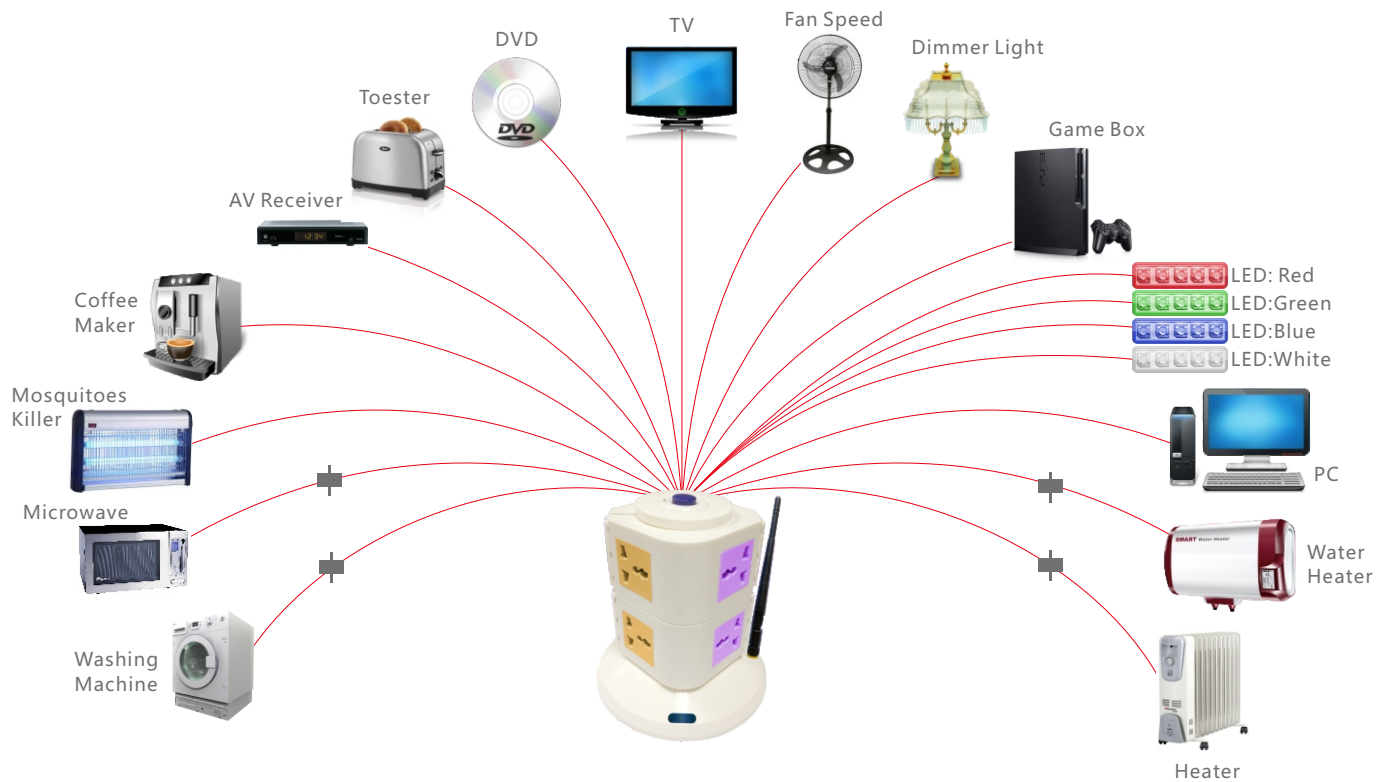
- ✓ Wifi enabled devices (Smart Phone & Tablets)
- ✓ Handheld Remote Control
- ✓ S-BUS Cabled Network as S-BUS Device
- ✓ S-Wave Wireless Bridge as Wireless Device

## Installation in 4 Steps:

1. Download Free App IOS or Android.
2. Plug in the power.
3. Connect to SMART-P8 Wi-Fi Network/Remote
4. Control.

# Smart Power Strip 8

Do-it-yourself (DIY)



Contactor



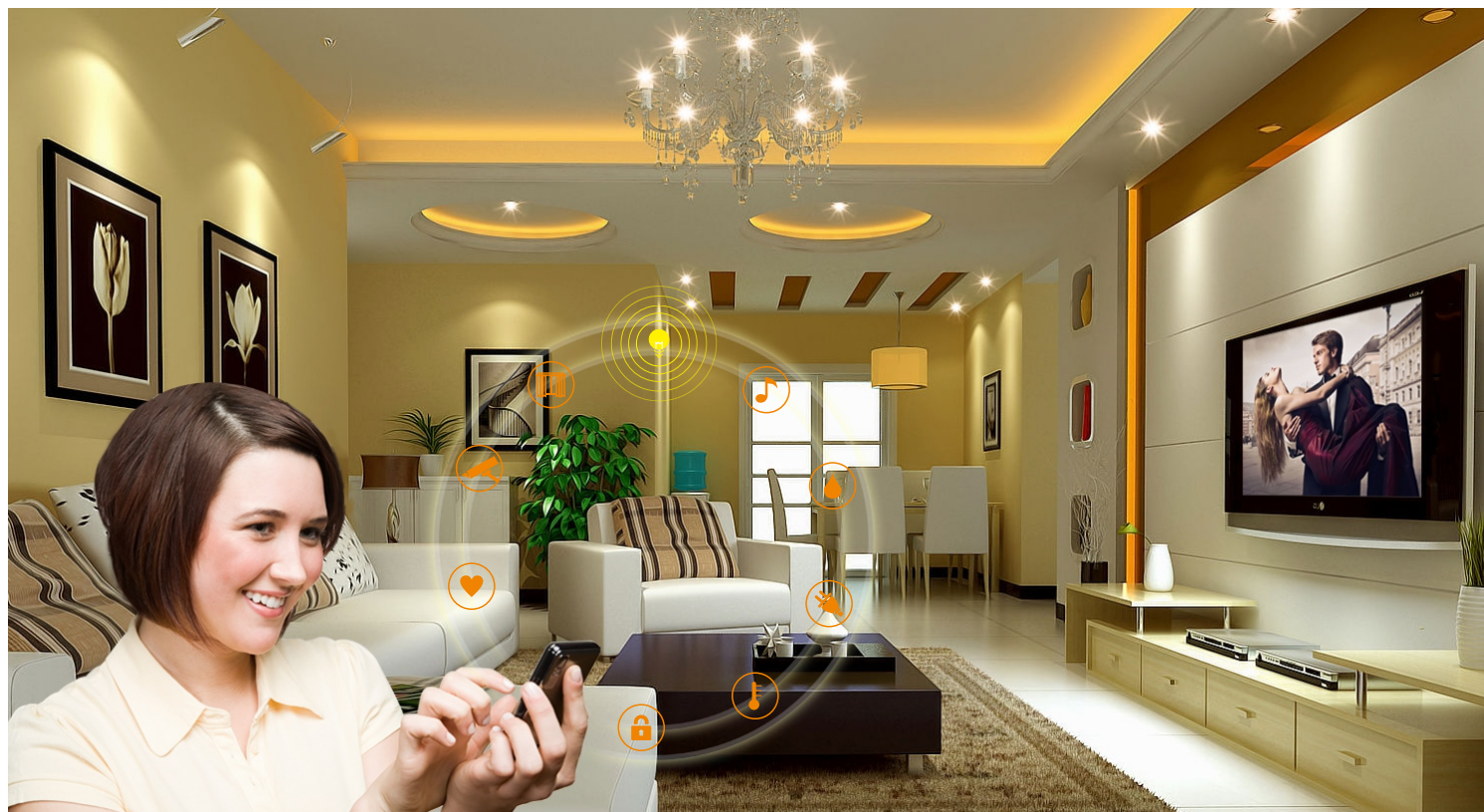
## True DIY:

- Simple
- Fast
- Convenient
- Affordable
- High Technology

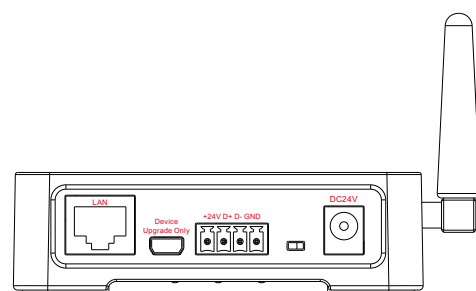
## Specifications:

- 110VAC - 220VAC
- 50Hz - 60Hz
- Wi-Fi Bandwidth: 2.4G
- Wi-Fi Users: 32 devices
- Dimmers: 2 x 1Amp each
- Relays: 6 x 5Amp each
- IR Distance: 3-6 meters
- Maximum Total Load: 10Amp
- Heat Sink: Internal

## S-Wave Wifi Bridge



**S-Wave Wifi Bridge - SBW-Bridge-FL**  
GTIN (UPC-EAN): 0610696255143



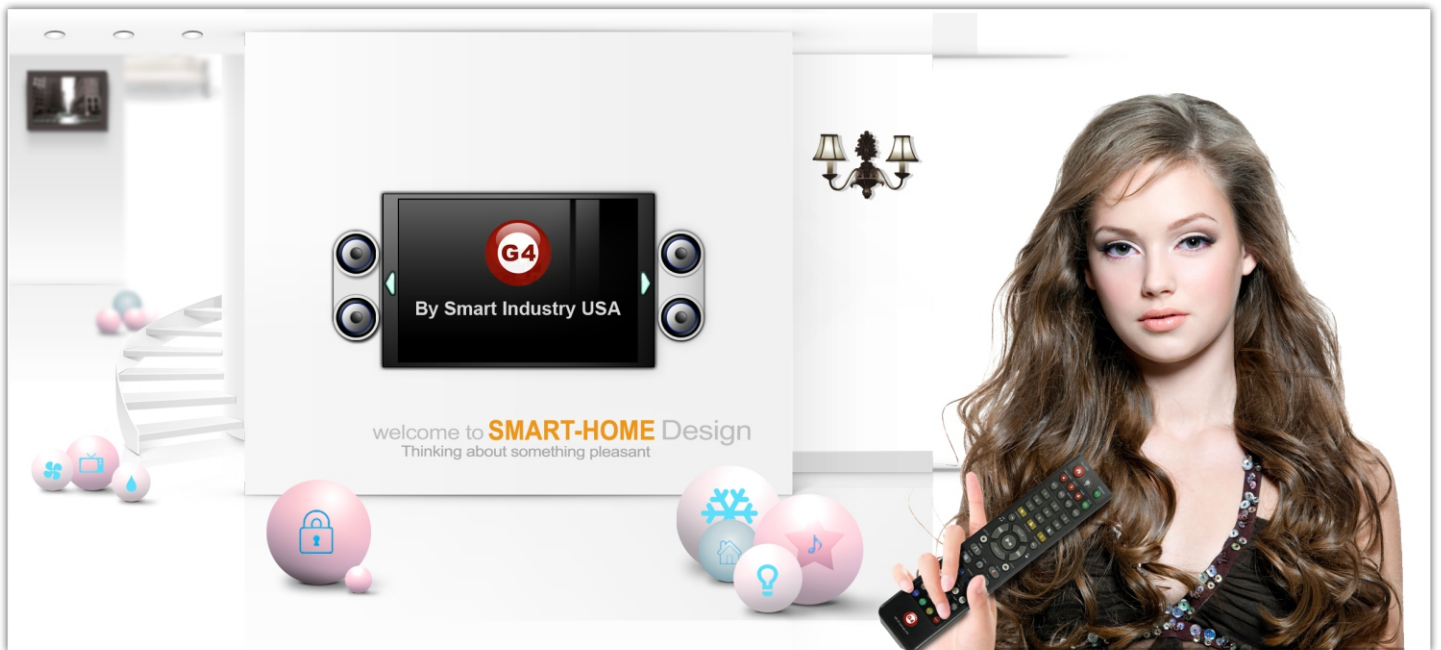
### Description:

Extremely Elegant Table Top Box. Enabled with Swave-III Technology and Range up to 1000 Meters LOS. Ready with S-BUS, WiFi and LAN connections. Helps Create Complete Home Mesh as Plug and Play. (Works Direct with SWave Scan Software.)



# Hand Held Remote

## Simplified Hand Held IR Remote Control 5



### Smart-Bus Simplified Hand Held IR Remote Control 5

GTIN (UPC-EAN):0610696254535

Lighting, Dimming, Moods, Music, HVAC, Service, Security, Moods, Drapes ++ with an easy push of a button from the comfort of your sofa (Limited for G4 IR codes Only, not compatible with G3 old Gear)



0 610696 254535



Security and top Area



Music and central Area



HVAC and Lower Area

# Latest Wireless Technology

## Wireless Retrofit



### What is S-wave?

**S-wave** is a new generation home automation wireless Mesh technology that enables the Direct conversion of the Smart-Bus Automation products to connect with each other wirelessly.

**S-wave** is the device you can connect to the wired Smart-Bus products and to Trail Click mini modules to make them work wirelessly in an interactive mesh environment.



### Where To Use?



S-Bus Wired Network, with S-Wave Wireless Links



S-Wave Pure Wireless Network



# Z-Audio

## Zones-Audio



### Smart-Bus Zone-Audio 2 (G4) - SB-Z-AUDIO2

GTIN (UPC-EAN): 0610696253811



0 610696 253811



#### Description:

Distributed Audio Zone Player and Amplifier. Can Deliver up to RMS 48 Watts of Stereo. With Balanced Out to connect to Pre-Amplifier Booster. With Built in FM Radio Tuner, Built in SD Card Reader slot. Can Stream Digital Audio Through LAN/FTP from any PC or NAS on the Network. Advanced PA Port that can detect Audio Announcement Automatically mute current playing source, announce then switch back to the same music source again once announcement is completed. Additional RCA Stereo Input for Direct Local Source Feed to allow local Music ports to connect direct from TV, DVD, Ipod Dock or any other Source.

### iPhone Screens for control of Z-Audio

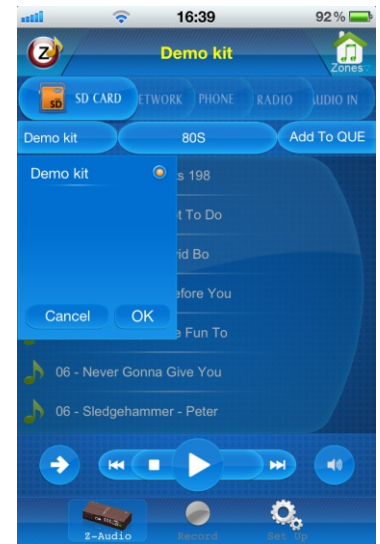
#### Choose Zone



#### User Interface

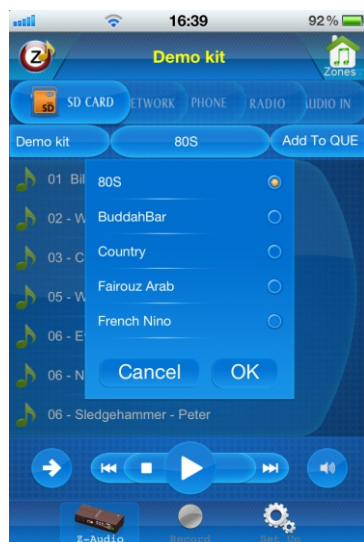


#### Choose Zone

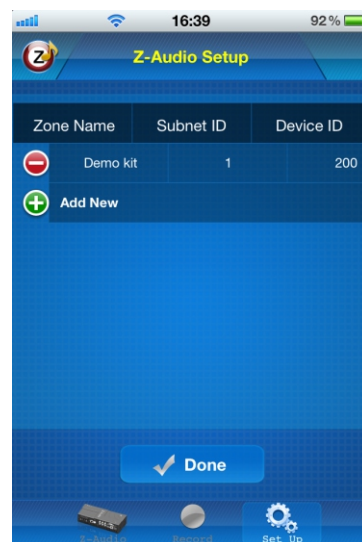




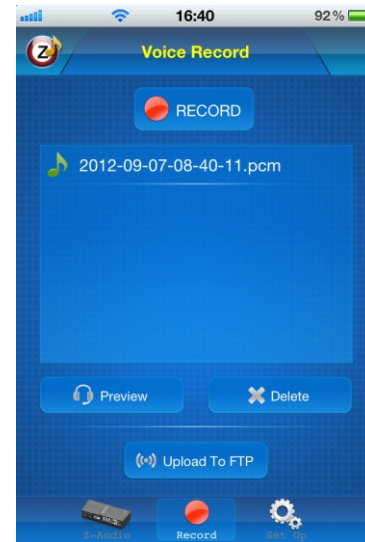
## Choose Classify



## Setup

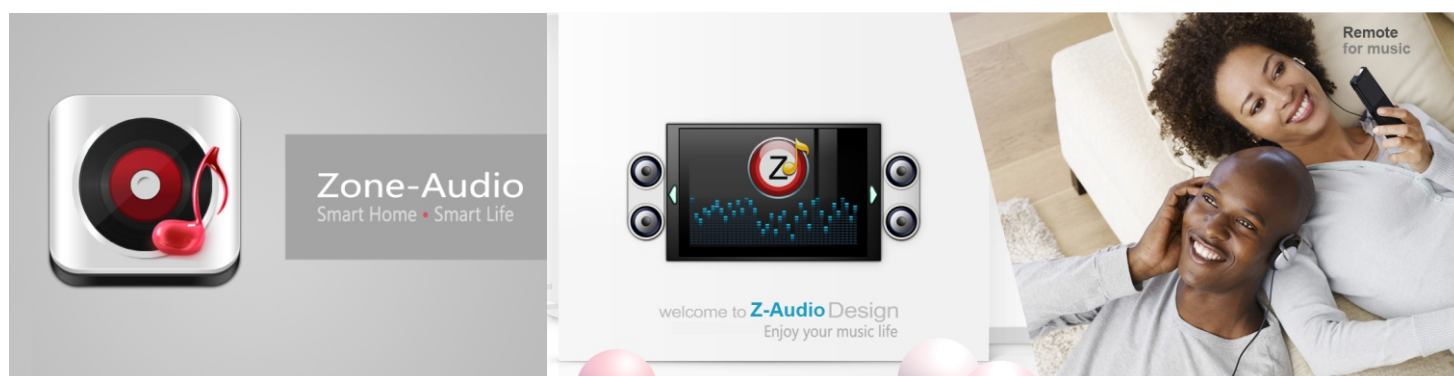


## Record



## IR Media Control

ON/Off  
Zone control  
Source control  
Play List Control  
Play, stop, next, Back  
Volume  
Personal Play list, Play Mode



## Resound Wall Art Speakers



### Description

Resound Art Speakers is ideal for small to medium sized home cinema installations, and for commercial use in bars, restaurants and corporate offices. Combined with a powerful and articulate performance, Overall the performance is exemplary, with deep, tight bass and sparkling high frequency performance. All this in a speaker that looks too good to be a loudspeaker, hanging subwoofers for a stunning home cinema. The Resound Speakers have available choices of art speaker screens which provide the opportunity to match colours to compliment your interior. It has never been easier to change the look of your loudspeakers and make them a part of your interior. Use the collections below as a guide. Applications





## Climate Control



### Smart-Bus HVAC2, Air Condition Control Module (G4) - SB-HVAC2-DN

GTIN (UPC-EAN): 0610696253767



0 610696 253767

#### Description:

DIN-Rail Mount Advanced Climate Control Module that installs near HVAC unit to save cost of wiring and to eliminate the need for standard ugly thermostats. being S,BUS enabled it can be controlled flexibly from any DDP panel and any BMS Automation Software. The HVAC2 Module can control Single and Multi stage Units (Heat, Cool, Fan low, High, Medium, VAV 0-10VDC) it can Handle any FCU, AHU, VAV System. With easy labeling space, Comes ready with LED indicator, network health, broadcast button. Good for applications with require energy saving, Health intelligent control such as residential, commercial or industrial.



HVAC Module



HVAC Trail Click



Fan Speed Module



4T Input Module



Temperature Sensor Probe



IR Emitter with Macro



1Dimmer 1Relay 1Fan TC



IR Emitter w/ Current Sensor

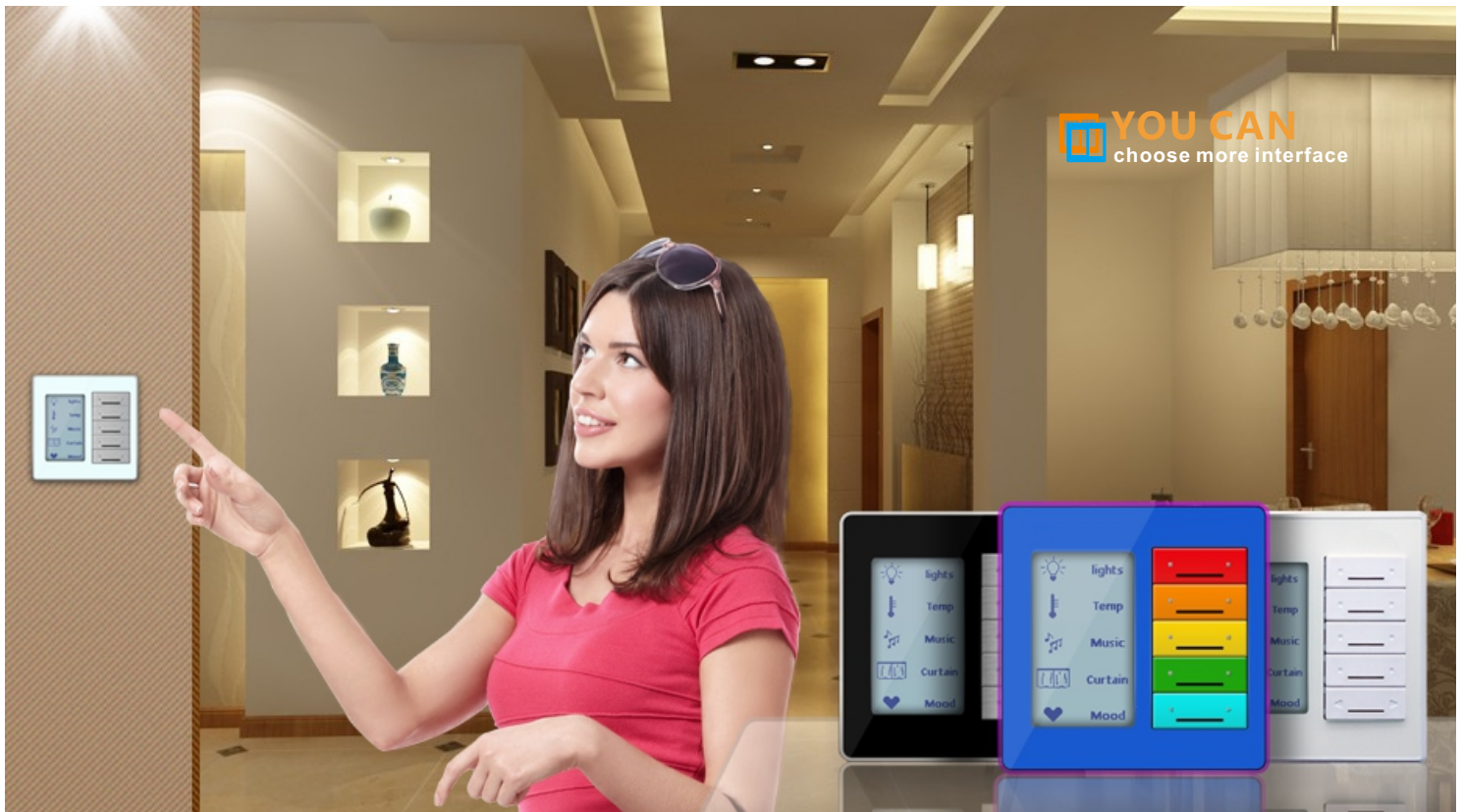


Micro Climate Sensor



## DDP/DDPc/DDPH

### DYNAMIC DISPLAY PANEL



#### Smart-Bus Dynamic Display Panel DDP EU with LCD - SB-DDP-EU

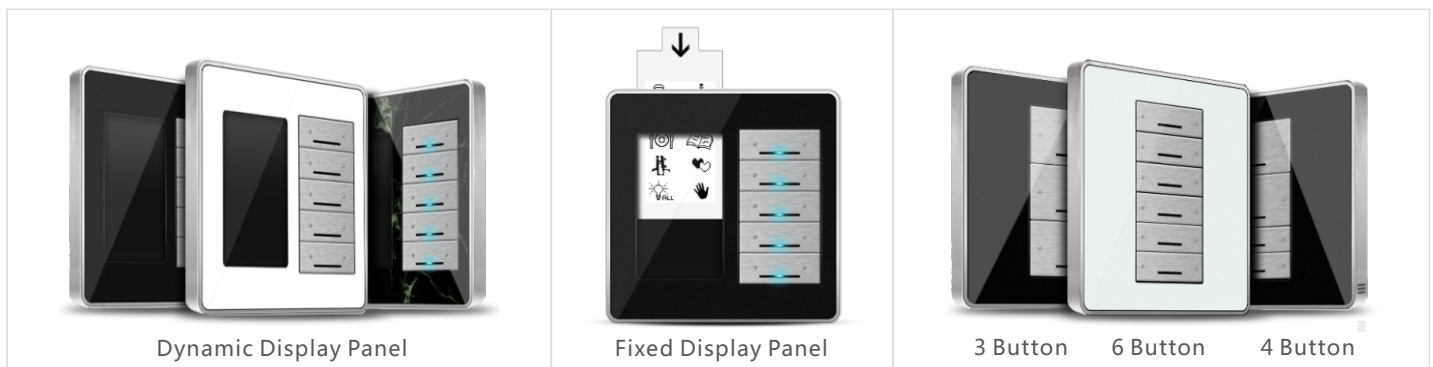
GTIN (UPC-EAN): 0610696254030

#### Description:

is a wall switch Panel with LCD and Multi functions, Built in IR Receiver Plug in Port, Thermal Sensor Coupler for Temperature, With Easy Graphical and Multi Lingual configuration ability, Multi-Functional Pages:Lighting, Moods, HVAC, Music, Fan Speeds, Motorized Shades,Security. With 2-way status update. (Each Button has right and left different function, Back let LED, LCD Brightness control), AC Page Lock Function, Double click Macro Function, Manual Programming Enabled.



0 610696 254030

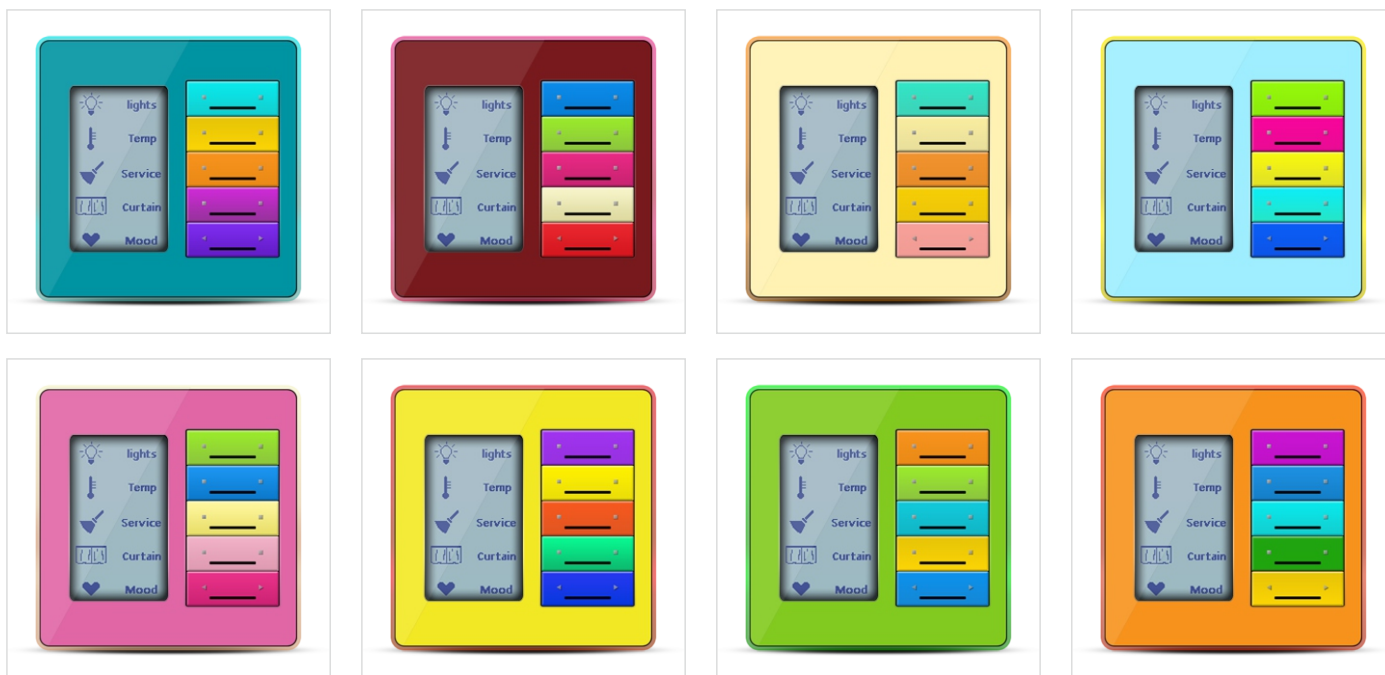


## DDP/DDPc/DDPH

DYNAMIC DISPLAY PANEL



### DDPc





## Fruit basket



## Simplese

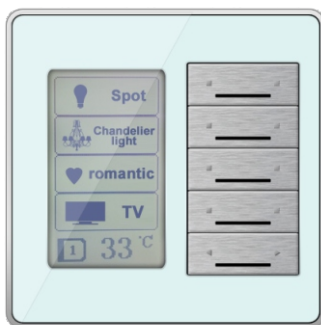




# G4 In Home Automation Application



↑ Lighting+ Moods



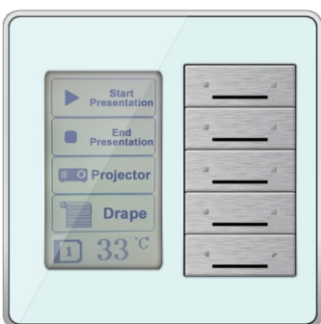
↑ HVAC



↑ Security



↑ Presentation Moods

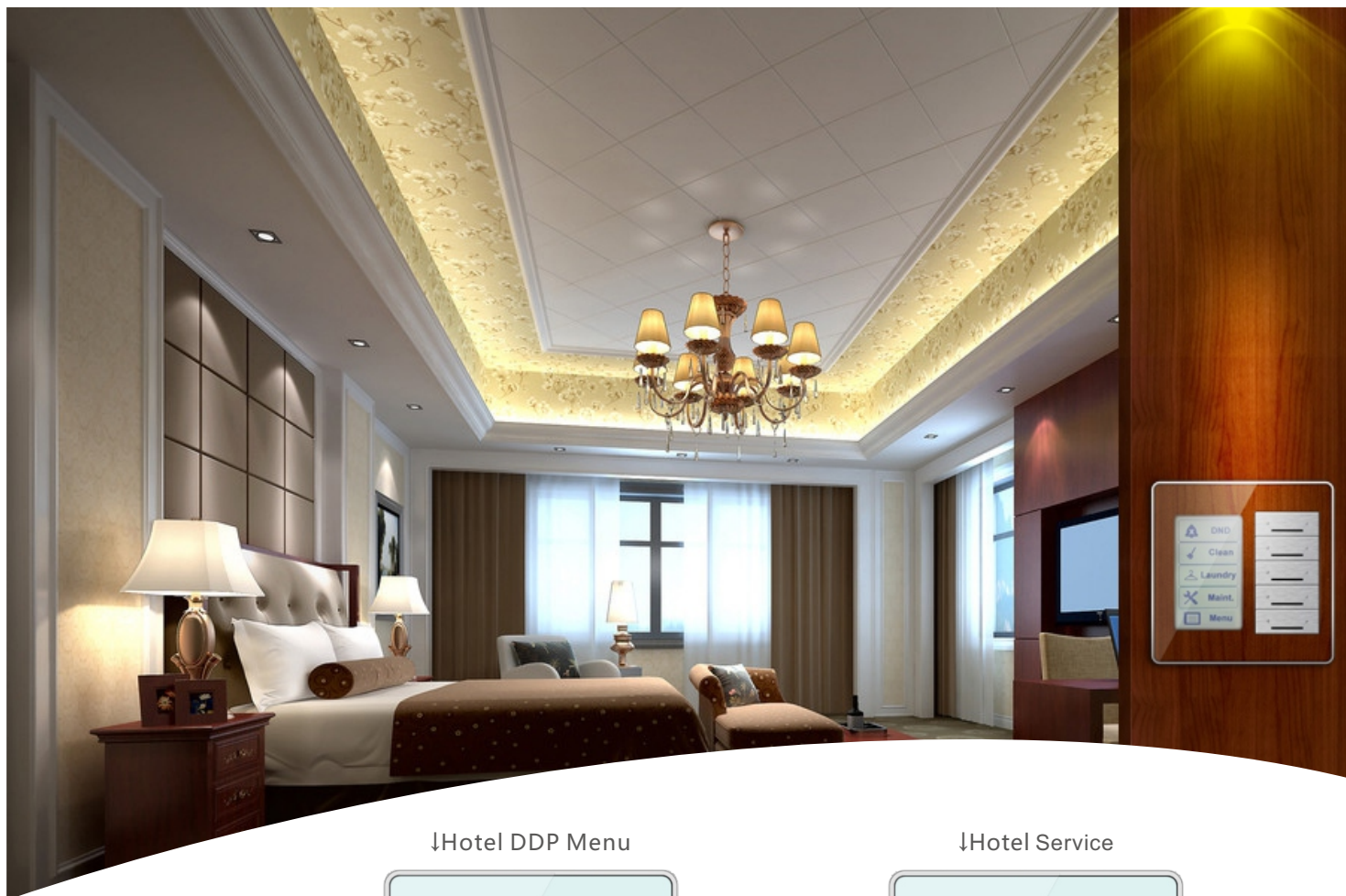


↑ Music

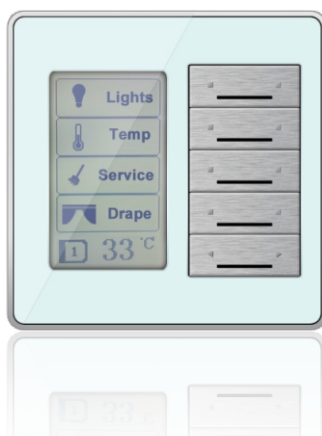


## Pictures Of Installed Examples

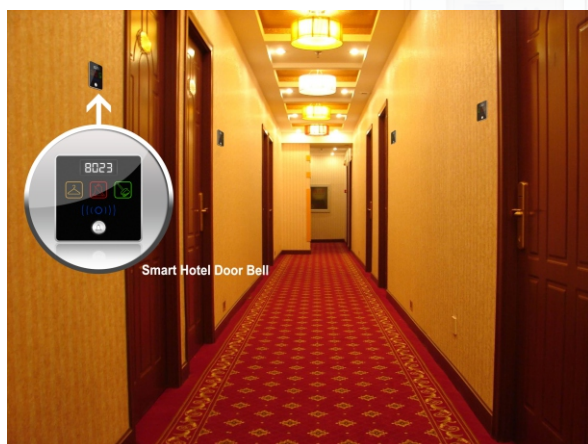
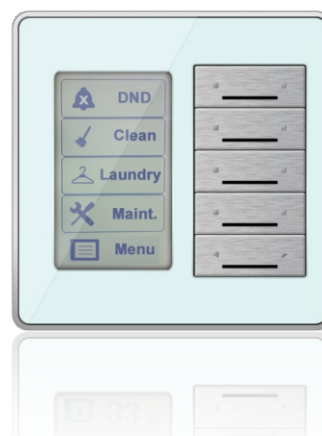
### G4 In Smart Hotel GRMS Application



↓Hotel DDP Menu



↓Hotel Service



Smart Hotel Door Bell



Smart Hotel Card Holder

Smart Hotel Bedside Panel



**Bedroom Control Bedside Simple Touch Panel**

GTIN (UPC-EAN): 0610696254344



0 610696 254344

**Description:**

Modified 15 Backlet Capacitive Touch Areas, to control Various Bedroom Needs like: Temperature: (Cool, Cold, Warm) Moods: (Wakeup , Wash/Dress, Sleep), Lights: (All on/Off,Read, Watch TV) Curtain:(Open, Close, Stop, Music: (Play/Stop, Volume up/DN)



Bedside Simple Touch Panel

**Museum Touch Operation - SB-MuseumT-UN**

GTIN (UPC-EAN): 0610696254832

**Description:**

Modified 15 Backlet Capacitive Touch Areas, to control Various Board Room Needs like: Temperature: (Cool,Cold, Warm) Presentation: (Start , Pause, End), Lights:(All on/Off,Meeting, Speech) , Curtain:(Open, Close, Stop,Media: (Source, Volume up/DN)



Smart Museum Panel



Access Control Panel



Door Bell



Door Bell Access &amp; Child DND



Door Access Reader



Smart User Panels



Meeting Board Room Control



Smuseum Card Operation



Door Bell



Access Control Panel



Display 5RM



Security Keypad

# CDP

## Colour Display Panel



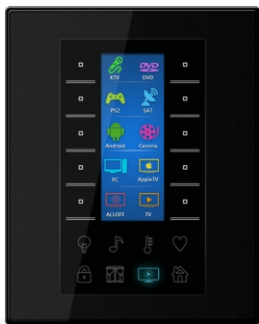
### mart Color Dynamic Panel (CDP) Touch Universal Module - SB-CDP-T

GTIN (UPC-EAN): 0610696254894

Resound Art Speakers is ideal for small to medium sized home cinema installations, and for commercial use in bars, restaurants and corporate. Combined with a powerful and articulate performance, Overall the performance is exemplary, with deep, tight bass and sparkling high frequency performance. All this in a speaker that looks too good to be a loudspeaker, hanging subwoofers for a stunning home cinema. The Resound Speakers have available choices of art speaker screens which provide the opportunity to match colours to compliment your interior. It has never been easier to change the look of your loudspeakers and make them a part of your interior. Use the collections below as a guide.



0 610696 254894



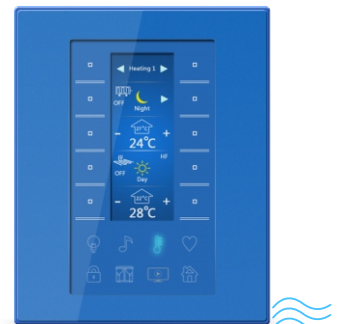
TV



Light



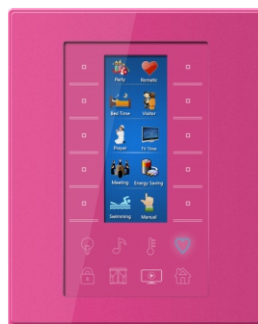
Security



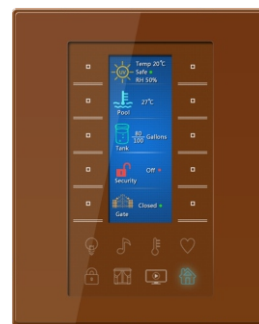
AC



Curtain



Moods



Home Status

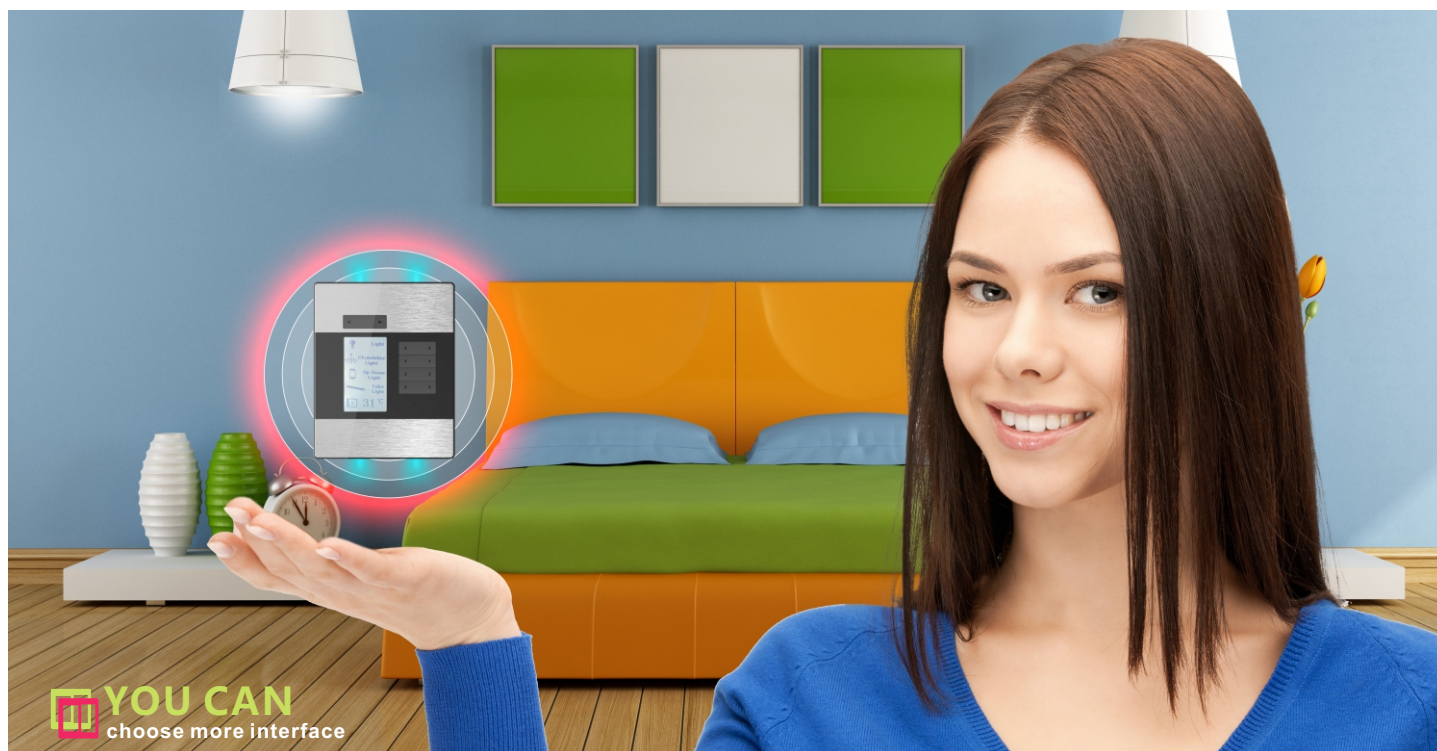


Music



## DYNAMIC DISPLAY PANEL SLIM

Simple connect Simple Life!!



**YOU CAN**  
choose more interface

### Smart-Bus Dynamic Display Panel DDP Slim - SB-DDPs-UN

GTIN(UPC-EAN): 0610696255068

- Multi IR/AC Control Pages
- 8 slave + 1 Master HVAC (FCU\AHU)
- Clapper Mic Sensor Built in
- IR Eye Built in (Receive Hand Held Remote control commands)
- Lux Sensor Built in (Light Intensity Adjustment according to sun light)
- PIR Motion Sensor Built in (For Energy Saving Occupancy, and Security)
- 2Z (NO\NC) DI
- IR Emitters (Flashers) with 255 IR cod s menus
- Logic 32 tables ×8 lines
- Security 99 codes
- LED (RGB) Surround Wall Effect
- Menu buttons on top modified for easy use
- Blue Back lit Buttons
- Built in temp sensor thermostat
  - Added Logic Condition
    - If temp
    - If lux
    - If occupancy
- Slim Elegant Design
- Fruit Basket Finishes and Variety of Materials and Patterns to fit any Decor
- Fits most Wall Back Box Standards: (UK, Germany, France, Australia,USA, South Africa and Other)
- Trail Click Ready (Simply Add any TC Module to Back of DDPs.
- S-wave compatible
- Ceiling Fan Speed Control Added
- Password / Code Entry Feature Added



0 610696 255068



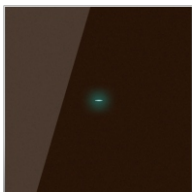
## Touch Switches

One Touch To An Easy Lifestyle



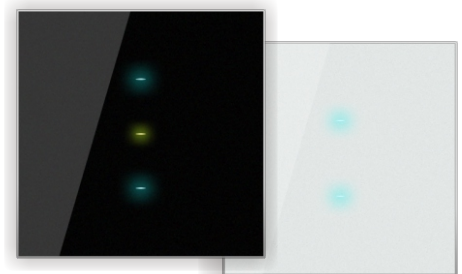
### S-Wave Touch Switch 1 Dimmer - SBW-1D-TS

GTIN (UPC-EAN): 0610696255174



#### What is Touch Switch ?

The Touch Switch features a stunning glass face. Simply press your finger on the led light to turn lights on and off.



#### Features

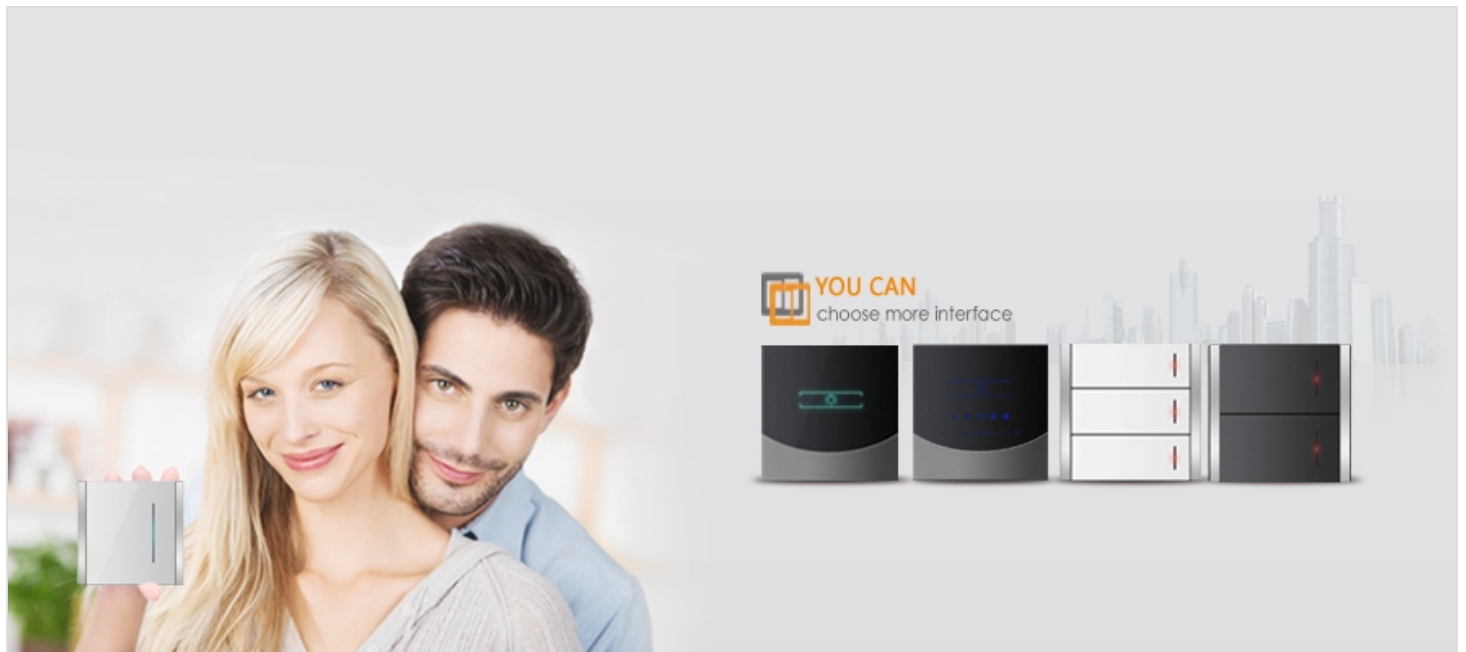
- Touch-Type button to control. Only touch the surface you can control the lights.
- LED backlight indicator, easily locate the position of switch even in the dark.
- Suitable for energy-saving lamps, fluorescent lamps, incandescent lamps and other.
- Easy installation and operation
- National standards for design, direct replacement for the existing switches.
- Retrofit solution (Uses existing wiring)
- Modern design
- Suitable for decorative design in homes, office buildings, and star hotels.





## Smart Switches

One Touch To An Easy Lifestyle



### Eclipse



#### The Eclipse Series

- Elegant Touch Switch
- Glass and Brushed Titanium
- Slim Line
- UK Back Box ready
- 1 Gang, 2 Gang, 3 Gang
- S-BUS Ready

- Optional Model with S-Wave 220VAC

### Simplese



#### The Simplese Series

- Elegant Easy Big Button Switch
- Piano White Finish with Chrome Edge
- Matt Graffiti Black With Chrome Edge
- UK Back Box ready

- 1 Gang, 2 Gang, 3 Gang
- S-BUS Ready
- Dual LED Back Let Buttons
- Optional Model with S-Wave 220VAC

# Smart Switches

One Touch To An Easy Lifestyle



## Strata



### The Strata Series

- Simple Elegant Big Buttons Strata Series
- Up to 10 Separate Buttons and More than 15 Functions
- Allow control of the lighting like on/off & dimming, SCENES
- Allow Control of HVAC Presets, Music Play/Stop, Track, Volume
- The range includes many finishes and paintable buttons
- Each Button Has 5 Area Back Let LED Light Engravable buttons
- LED Night Light Optional Top, Bottom, Right, Left, All, Both
- S-BUS Ready, with G4 Easy Connector + IR Eye Port
- Universal Size for All World Back-Boxes (UK, EU,US,AZ++)
- Trail Click and S-Wave Ready

## Melody



### The Melody Series

- Simple Elegant Big Buttons Melody Series
- Up to 5 Separate Buttons and More than 10 Functions
- Allow control of the lighting like on/off & dimming, SCENES
- The range includes many finishes and paintable buttons
- LED Night Light Optional Top, Bottom, Right, Left, All, Both
- S-BUS Ready, with G4 Easy Connector + IR Eye Port
- Universal Size for All World Back-Boxes (UK, EU,US,AZ++)
- Trail Click and S-Wave Ready



## Smart Switches

One Touch To An Easy Lifestyle



### Slider



#### The SLIDERS Series

- Simple Elegant Big Buttons with 3 SLIDES
- Up to 4 Separate Buttons and More than 7 Functions
- Allow control of the lighting like on/off & dimming, SCENES
- Allow Control of HVAC Presets, Music Play/Stop, Track, Volume
- The range includes many finishes and paintable buttons
- Each Button Has 5 Area Back Let LED Light Engravable buttons
- LED Night Light Optional Top, Bottom, Right, Left, All, Both
- S-BUS Ready, with G4 Easy Connector + IR Eye Port
- Universal Size for All World Back-Boxes (UK, EU, US, AZ ++)
- Trail Click and S-Wave Ready

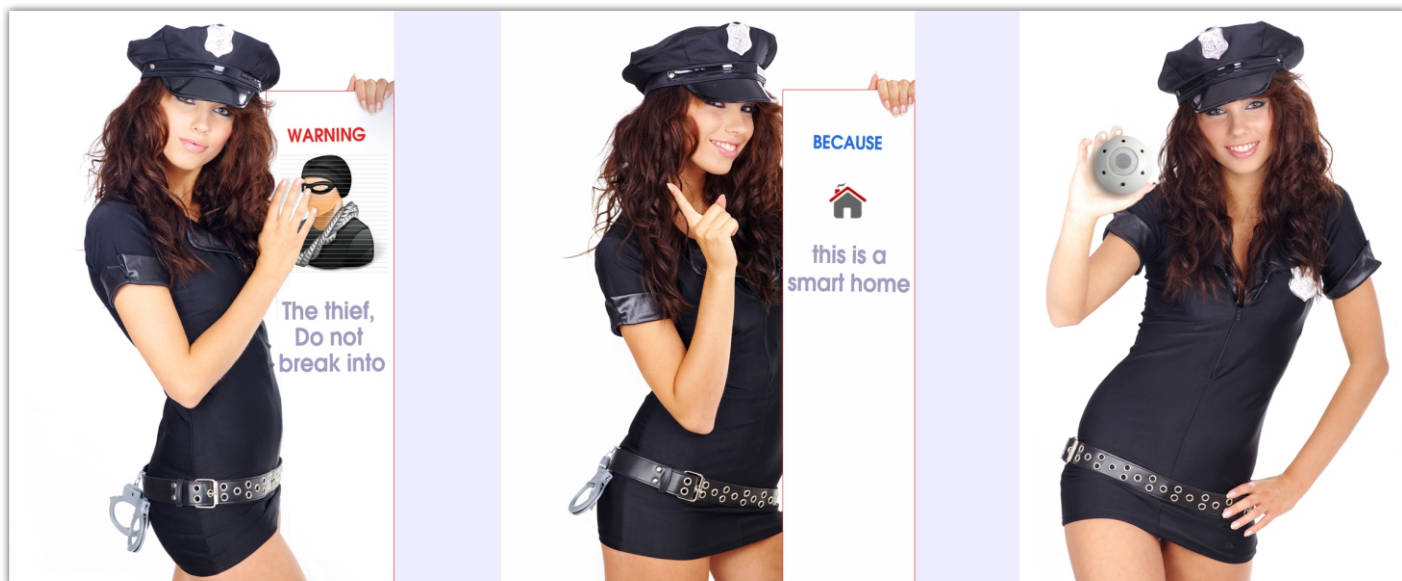
### Bubbles



#### The Bubbles Series

- Elegant Simple Bubbles Switch
- Pearl White with Chrome Surround
- Slim Line
- UK Back Box ready
- 1 Gang, 2 Gang, 4 Gang
- S-BUS Ready
- Optional Model with S-Wave 220VAC

## Sensors, Detectors and Dry Inputs



### 9 in 1 Multifunction Sensor (G4) - SB-9in1T-CL

GTIN (UPC-EAN): 0610696253996



0 610696 253996

#### Description:

One device has 9 functions designed perfectly for Automation Industry techno-lifestyle needs. This All-in-One device contains: (addressable Motion sensor, light intensity LUX sensor, Infrared receiver for easy access by remote control, 360 degrees infrared transmitter to control 250 IR codes of electronic equipment like TV, DVD...etc., addressable 2-Zone Dry contact inputs one is for Safety, and one is for Security to connect to the room window sensor and smoke detector or any other sensor, save the wiring and programming time, it has 32 Logic lines (if, then, and or, nand, nor), and it

support Burglar Security Code input checking, arming and disarming, it has Built in Temperature Sensor that can be paired to HVAC2 Module, and for other reading needs)



9 in 1 Multifunction Sensor



PIR Motion Sensor



5 in 1 Multifunction Sensor



6 in 1 Multifunction Sensor



8 in 1 Multifunction Sensor



9 in 1 Multifunction Sensor



SpotIPIR

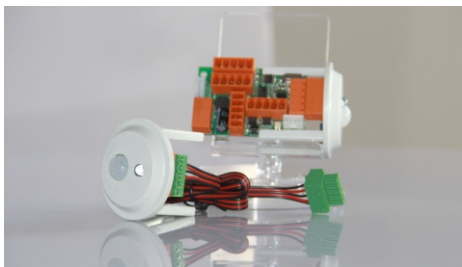


5z Mother Controller for SpotIPIR



Microwave & 3PIR Sensor





## FEATURES OF 5IPIR

- Spotlight Mountable Motion Sensor
- IR Emitter for Control of Wall or Standing Split AC, TV/Media and Other IR Enabled Devices
- Small size fits direct into Ceiling Spot Light.
- Works as a slave and Requires: 5IPIR Controller to enable up to 50 IR Codes storage per IPIR Terminal Port.

### Specifications

#### Input:

5 × IPIR Slave Spot input (external)

2-Dry Contact Input (built-in)

#### Output:

IR output (IR1, IR2, IR3, IR4, IR5)

Logic output (PIR1, PIR2, PIR3, PIR4, PIR5, PIRF, Dry contact1, Dry contact2)



## Motorized Shades

Open the Shades, open the moods

**Motorized Curtain with Clutch, Integrate-able**  
GTIN (UPC-EAN): 0610696254153



0 610696 254153

### Description

SunSeeker Motorized Curtain, having third generation technology of motors which are noiseless and very easy to use. These tracks can be used either with the help of switches or remote controls using Infra red technology. Motors can be integrated with the SBUS systems and touch control panels. Heavy duty motors offer quiet, reliable operation. Electronic motor adjustment can gather heavy fabric into a smaller pocket when needed. Motor can be oriented on either side of window or space. Precision engineered, approved for commercial & residential use.



Motorized Curtain



Motorized Roller Drape



Motorized Vertical Blinds



Motorized Horizontal Blinds



## Centralized Process Controllers

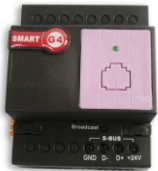


### Automation Logic Module 2 (G4) - SB-Logic2-DN

GTIN(UPC-EAN): 0610696254054



0 610696 254054



Automation Logic Module

#### Description:

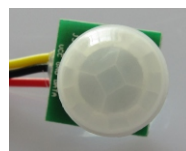
DIN-Rail Mount, Central Time Clock and Main Automation Controller. It is the smart system servant that assist and monitor temperature, events, energy consumption, patterns, with main Targets: maintain, safeguard, protect and economize. It Can Trigger prayer announcements, reminders, alerts, macros, and moods. Each Logic module Consist of 240 tables, Each Table of 4 programmable Logic Lines totaling up to 960 Line of Logics using simplified (and, Or Nand, Nor, with 255 Flags). logical condition consist of trigger combinations like: time, scene Light channel status, curtain status, room temperature, security mode, day night, time... and so on



Security/Safety Module



Building EMS



MEST Micro Energy



MAK Controller For

## Smart Hotel



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

GTIN (UPC-EAN): 0610696254313



0 610696 254313

#### Description:

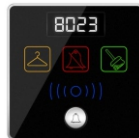
This Mix Control module is designed to Handle almost all needs of any Luxury Zone Like Master Suite, Hotel Room or 1-2 bedroom apartment. A Single Module contains 3Ch Dimmers X each is 1A, and 9ch Relays X each is 6A /per ch. with scene controller. 4RelaysX6A With Double Throw for Motorized curtains and Drapes. 1Relay X 16A for Boiler and Floor Heating. HVAC module for FCU/AHU to Handle Multi stage Cooling, heating, and 3 fan Speed (L M H). Built in 1Port for 0-10V VAV and Ballast Control. Added Port for T1 Temperature Sensor for Duct Temperature.



23 port Zone Beast Module



Hotel Dynamic Display Panel



Hotel Bell w/ Access & Service



Hotel Card With Service



Hotel Bedside Controller



Hotel Bell Panel with Service



Power Auxiliary



RSIP



Hotel Card Encoder





## Apple Apps

### Smart Hotel App



### Smart Hotel New Features

1. Hotel Room Security (In Out Bell and Log recording)
2. No Moonlighting (To rent without management knowledge)
3. User / Guest Habit Analysis (Habits: Lights, AC & Services)
4. Notional Power Consumption per Room
5. Ability to add IP Camera
6. Blink the Room Number in 1 minute when there is a visitor
7. Added Housekeeping Services Features like: Clean Shoes, Refill Bar, Ready Bed, Take Plates, Maintenance Needed and Please Wait
8. Ask the Guest if they are GREEN. If they are GREEN means saving water, laundry detergent and electricity.  
o I am GREEN feature service: Don't Change My Towel & Bed Sheet
9. E-menu (Food Menu Lists)
10. E-directory (Directory of Hotel Restaurant, Services, IDD, Embassy, Government, and Attractions)

## Software Screen Shots of SmartHotel

### Main Menu



### AC



### Room Service



### Cameras



### House Keeping



### Smart TV





# Apple Apps

## Smart Home App



Main Menu



Cameras



Metering



Security



Z-Audio



Media



## BMS Parts

building management system Parts

### Super Mini I/O

GTIN (UPC-EAN): 0610696253972



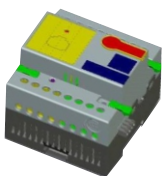
0 610696 253972

#### Description:

Simple 4 Input Analogue Sensor Good for (Dry Contacts of Digital Sensors or As inputs for Analogue Temperature Sensor Inputs) 4 Outputs 0-10V That Can be used for (Valves, Speed control, LED Etc.), 2 Digital Discrete Inputs, 2 Digital Discrete Outputs with Built in 32 Logics and triggers. Smart-BUS Enabled, 1mA-40mA, 1-300mA ranges



Super Mini I/O



Pump Control



Global Genset



Water Leak Detector



Solenoid Valve 1



## Communication and Integration Bridges



### Smart-Bus Hybrid Integration Link with IP - SB-RSIP-DN GTIN(UPC-EAN): 0610696254061



#### Description:

DIN-Rail Mount, with BUS, RS232, 485 & IP/UDP Bridged Converter, can send up to 1980 Strings, & Can receive up to 99 ASCII and/or HEX strings, work in all Baud Rates, 2-way Functionality for integration and status Update (Good For User Input Applications)



0 610696 254061



Rs232 Module For "HAI"



RS232 Module For "Nuvo"



Power Meter Module



Integration



DALI Bridge Module



DMX 48 Bridge Module

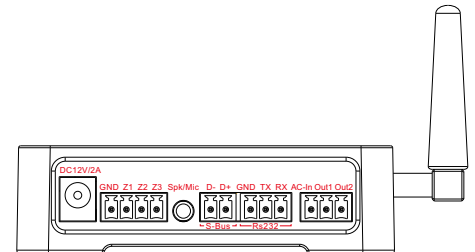


DMX 512 Bridge Module



Metering Module

## SMS Module



### SMS Module

Want to control and check the status of your home using SMS?  
 Using SMS Module, it lets you interact with your home devices  
 You can send message if you want to turn your lights, AC, Music etc. ++  
 You will receive message also the status of your home, like theres a water leakage, you forgot to turn off the coffee maker

### Features

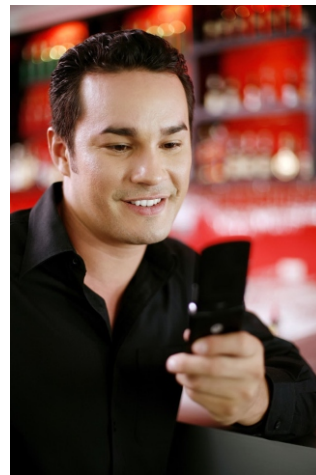
- SMS Control (50 Received Messages \* 32 Devices)
- Send SMS Alarm (24 Sent Messages \* 10 Devices)
- Lithium-ion-battery, SMS module will work during power blackout
- 3 Dry Contact (Logic)
- 2 Relay (Call control, SMS control, Sbus control)
- RS232 (As a third-party product development interface)
- Mic and Speaker (Access, Phone calls)



## Applications



Elderly People



At Home



Car Parking

Will Receive SMS:

For Elderly People:

Waking up time, Eating time, Leaves home & did not come back in specified of time.

At Home:

When the kids arrived at home

When there is water leak, gas leak.

Car Parking:

When someone steals the car

At Cold Store:

When one freezer machine is not working.

At Shopping Store:

When someone intrudes the shop & its not shopping hours.

## iPad Doc

**YOU CAN**  
choose more interface  
Operating Simple  
And Easy



### Smart-Bus Wall Box For iPad / Android With Cover

GTIN (UPC-EAN): 0610696254634



(Black Acrylic or Stainless Steel)

Spring loaded, easy adjustment. Fits both ipad1 and ipad2 with simple Mounting ability. Can be customized by Installer to fit and roid tablets ++ (good for Both dry and cement Walls. hides charger and Accessories elegantly. easy Magnet latch Technology



0 610696 254634

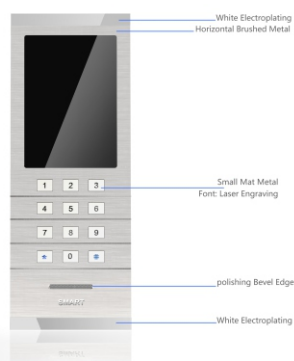
### Smart-Bus iPad2 Wall Surface Mount Slider Bracket

GTIN (UPC-EAN):

To enable Easy and simple mounting of IPAD Touchscreen



### Smart-Bus Video Intercom














## IPL Gateway

### IPL-Gateway Features:

-  Security Enabled (Password)
-  Logic Bulletin
-  MAC Address verifiable
-  Static + Dynamic DNS
-  S-BUS Ready
-  UDP/TCP/ RS-232/RS-485
-  2D Barcode Included

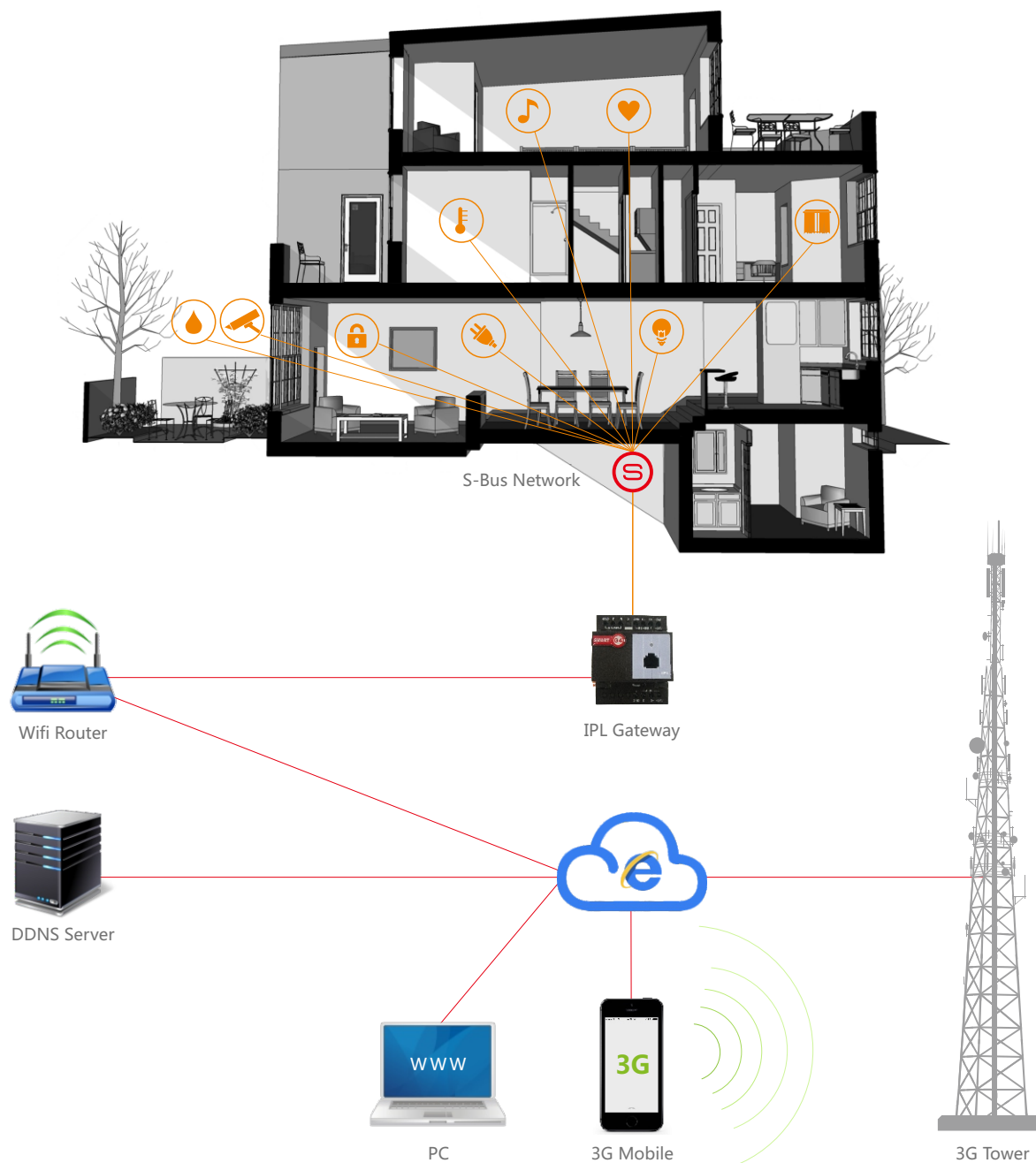
Remotely  
**Control**

Remotely  
**Monitor**

Remotely  
**Program**

- ✓ 3G
- ✓ WWW
- ✓ LAN
- ✓ WAN

## IPL Gateway Diagram



### The new IPL is like no other:

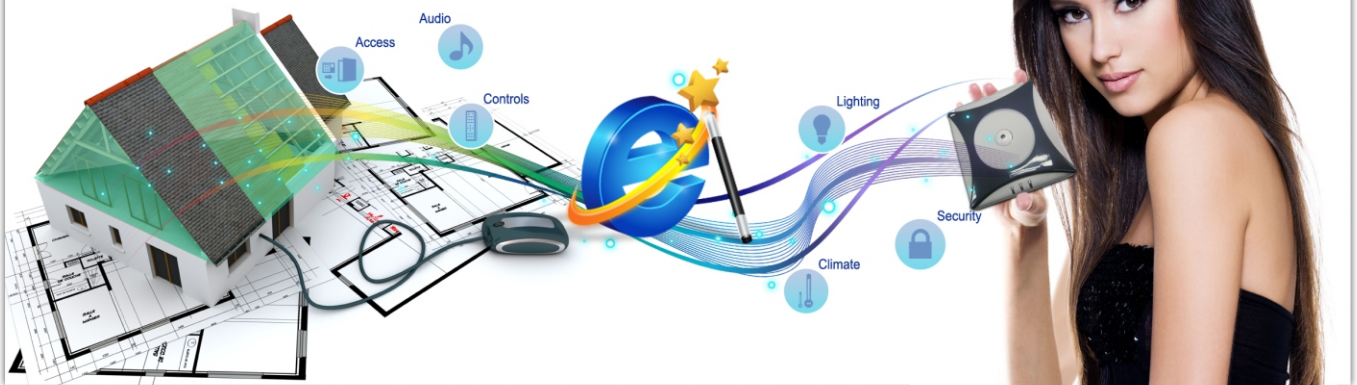
- ✓ Control your systems from anywhere using 3G/Wi-Fi/LAN/WAN/Web
- ✓ Secure & Password Enabled
- ✓ Built-in Logic & Security Functions
- ✓ TCP/UDP/DHCP/RS-232/ RS-485 Enabled
- ✓ Watch Dog



## Smart Gate

Extreme Control Host BOX

Home automation  
systems offer peace of mind



### Smart-Gate (Web-Host) - SB-SGATE-UN

GTIN (UPC-EAN): 0610696254665

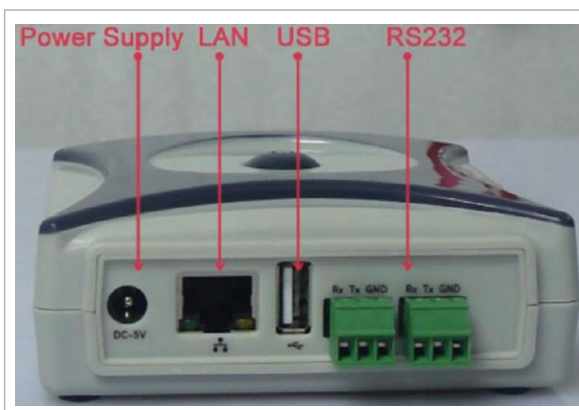


Advanced Web Gateway box can be set any place in the building and link to the WIFI and to internet. Acts as Server for easy control from any web enabled devices like tablets, any mobile brand ++ without the need to install any software. The Smart-gate is also abridging interface between S-BUS and Zigbee. it has Builtin RS-232 and Bluetooth pairing function. The smart-gate Enables remote Dynamic chatting and control or monitoring using Skype making the home become the technobuttler that chats with the owner and reports or executes his chat commands.



0 610696 254665

### Details Zoom On Panel:



Blackberry  
Internet  
Playstation  
N.TV  
Chat  
MOTOROLA  
NOKIA



## Installer parts

building management system Parts

### 8 Port Cable Manager DIN - SB-CM8-DIN GTIN(UPC-EAN): 0610696254542



0 610696 254542



8 Port Cable Manager

#### Description:

Made Easy For Installer to Connect Multiple (9 input, 1 Output) Cat cables in simple Way into Terminal Screw Block and take out only one Cable. The Daisy Bus Terminal Block will simulate Daisy Chain Connection topology while Give a neat look, and simple Connection ability



Ready Power Supply



Installer Upgrade Kit



Infrared Code Learner KIT



Screw Driver Set



IREYE Set



Connectors



Dual Voltage DC Power



## AIR-PUSH

Watch. Listen. Share.



# the BEST MULTI-MEDIA

AIR-PUSH WIRELESS SHARING EASY TO SHOW

• Hotspot

• Wi-Fi Link

• Stream

• Push

### In Meeting Room



Presentation

### In Car



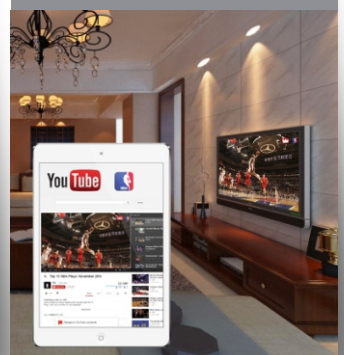
Play Music

### In Hotel

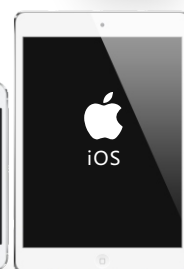


Push Photo & Video

### At Home Living



Stream Video Online



## Demo & Learning Kit

### Demo Bags

The perfect carry case for your Demo kit! Look smart, be smart. The professional way to transport your demo kits safely, stylishly and conveniently to your customer's presentation room.

#### Installer/Dealer Practice Kit - SB-DLRkit-KT

Inclusive of : 1 Dimmer, 1 Relay, 1 HVAC, 1 (9in1), 1 (4z), 1 IR emitter, Upgrade KIT, 1 DDP, 1 6B, 1 Z-Audio, 1 Speaker, 1 Power supply, 1 Siren flasher, 1 HHR, 1 Cable manager, 1 logic, Configurator SW, Android SW, Screw Driver Set.

#### Integrator Pro Practice Kit - SB-ProPkit-KT

Inclusive of : 1 Dimmer, 1 Relay, 1 HVAC, 1 (9in1), 1 (4z), 1 IR emitter, 1 RSIP, 2 DDP, 1 6B, 1 Z-Audio, 1 Speaker, 1 Power supply, 1 Siren flasher, 1 HHR, 1 Cable manager, 1 logic, 1 Touchscreen,, Configurator SW, Android SW, 1 (2Motor), 1 Security, 1 Curtain Motor, 1 IR learner

#### Additional Carry Case (Demo Bag) - OE-DemoBag1-FL

Additional Bag, Fitted with your Selection of the Demo Kits above as needed), Not including any Equipment in the price.



### Smart SOHO - SB-SOHO-Kit

GTIN (UPC-EAN): 0610696254337



9 in 1 1  
DDP 1  
4Z 1  
Zaudio 1  
SB-ZA/EPS-FL 1  
Mix23 1  
LED Driver 1

LED PS 1  
Mini S/F 1  
4GB-SD Card 1  
2A Power Supply 1  
Ireye 1  
Mag2 1  
Remote 1

WIFI Router 1  
LED Bulb 3  
Mini Speaker 1  
LED Strip 1  
Acrylic Board 1  
Bulb 4  
Switch 1  
Screw 4  
Demo Bag 1



Smart SOHO



Smart Hotel



Smart Museum



Self-Learning Kit



# Charts

compare G3/G4

## Change the changes



### WHY G4 (GENERATION-4) IS BETTER? DDP, FDP, 6B, 4B, 3B

Switches and wall panels (Features compared)	Old Smart-BUS	New S-BUS G4
Buttons and Surround Finish Material Improvement	Plastic	Aluminum
Glass Material Improvement	Thick & Bulky	I Phone Quality 0.8mm Glass
Back Module Size	Does not Fit all Countries	Fits all countries
Upgrading without opening the Device	Not Possible	By Mini USB
Ability to Snap Connect/Disconnect Cables	Not Possible	Snap In Connector
Ability to Locate IR receiver nearer to user location	Not Possible	Flexible with Snap in Connector
PCB Electronics Design Complexity	2 Complex Boards	Single simple Board
User Graphics Interface	Standard	Improved Icons
Integration to Z-Audio with auto update	Manual	Advanced Auto
Fixed Display Panel (FDP)	Not Available	Available
Easy Backup and Restore using Configuration SW	Not Available	Available
Work on Both BUS and Cloud Technology	Not Possible	Possible
Buttons Size and Workability of Soft switches (1-6 Gang)	Smaller, single side operation	Wider and Bigger with Both sides Operation

Switches and wall panels (Features compared)	Old Smart-BUS	New S-BUS G4
Panels Security not to be simple to remove from wall	Not Secure	Secured by Clamps, Magnets, and screw Locks
Metal Plate Twist and Screw Installation Simplicity	Not Possible	Possible
Design Standards	Asian Curved Design	Modern European Touch
Anti-static Electricity Grounding and discharge	Not Part of Original Design	Embedded and Implemented in Design
Programming and Pairing Manually to Lighting, Dimming, HVAC, and Music	Not Possible	Easy
Flexible Fascia changing (many varieties)	Difficult, Very Thick	Easy
All Other Standard Smart-BUS Advanced Automation Features	Included	Included

### WHY G4 (GENERATION-4) IS BETTER? DIMMER MODULES (2CH, 4CH, 6CH)

Dimmer Control Modules(Features compared)	Old Smart-BUS	New S-BUS G4
Din Rail and Wall Mountable Installation	Only DIN	Both
S-Connector Technology (No Bus Wiring inside DB Train Line)	Not Possible	Available
Easy to See Network Status LED for Health and Problems for dressed DB	Not Possible	Available
Upgrading without opening the Device	Not Possible	By Mini USB
Ability to Snap Connect/Disconnect Cables	Not Possible	Snap In Connector
Ready with up to 12 Channels on single Module	Not Possible	Available
PCB Electronics Design Complexity	Random	Organized
Easy Backup and Restore using Configuration SW	Not Available	Available
Heat Sink, Heat Transfer Surface, Air circulation; and Parts Heat space	Standard	Advanced, Double efficiency
Protection for Cable Harness against Heat Sink	Not Possible	Modified
Updated Channel Operation status on DLP and SW if Manually Changed	Available	Available
Work on Both BUS and Cloud Technology	Not Possible	Possible
Programming and Pairing Manually to DDP, FDP, 6B,4B,3B	Not Possible	Easy
well designed Air cooling Vents at Back and front and Side of Module	Standard	Advanced, Double efficiency



**WHY G4 (GENERATION-4) IS BETTER? RELAY MODULES (4CH, 6CH, 8CH, 12CH)**

<b>Dimmer Control Modules(Features compared)</b>	<b>Old Smart-BUS</b>	<b>New S-BUS G4</b>
Big Easy Label Space for Installer labeling	Small, Not Easy	Visible and Wide
Colors Distinguisher Face Plates (to know which product is which)	Not Available	Available
Genuine Patent and Brand Embedded into all Parts and Plastics	Not Available	Available
Genuine Product Barcode GTIN, and Holographic Label Distinguisher	Not Available	Available
All Other Standard Smart-BUS Advanced Automation Features	Included	Included

**WHY G4 (GENERATION-4) IS BETTER? DIMMER MODULES (2CH, 4CH, 6CH)**

<b>Relay Control Modules (Features compared)</b>	<b>Old Smart-BUS</b>	<b>New S-BUS G4</b>
Din Rail and Wall Mountable Installation	Only DIN	Both
S-Connector Technology (No Bus Wiring inside DB Train Line)	Not Possible	Available
Easy to See Network Status LED for Health and Problems for dressed DB	Not Possible	Available
Upgrading without opening the Device	Not Possible	By Mini USB
Ability to Snap Connect/Disconnect Cables	Not Possible	Snap In Connector
Ready with up to 12 Channels on single Module	Not Possible	Available
PCB Electronics Design Complexity	Random	Organized
Colors Distinguisher Face Plates (to know which product is which)	Not Available	Available
Updated Channel Operation status on DLP and SW if Manually Changed	Not Available	Available
Work on Both BUS and Cloud Technology	Not Possible	Possible
Programming and Pairing Manually to DDP, FDP, 6B,4B,3B	Not Possible	Easy
Easy Backup and Restore using Configuration SW	Not Available	Available
well designed Air cooling Vents at Back and front and Side of Module	Standard	Advanced, Double efficiency
Big Easy Label Space for Installer labeling	Small, Not Easy	Visible and Wide
Genuine Patent and Brand Embedded into all Parts and Plastics	Not Available	Available
Genuine Product Barcode GTIN, and Holographic Label Distinguisher	Not Available	Available
All Other Standard Smart-BUS Advanced Automation Features	Included	Included

**WHY G4 (GENERATION-4) IS BETTER? 4Z, AND IR EMITTER (W/CURRENT SENSOR)**

<b>4Z/IR Modules (Features compared)</b>	<b>Old Smart-BUS</b>	<b>New S-BUS G4</b>
Upgrading without opening the Device	Not Possible	By Mini USB
Broadcast Button for addressing while Networked	Not Possible	Available
Big Easy Screw Terminals to connect Cables	Too Small	Bigger Size
PCB Electronics Design Complexity	Random	Organized
Updated Channel Operation status on DLP and SW if Manually Changed with 2way switch function	Not Available	Available
Easy Twist to Open Design	Not Possible	Available
Easy Backup and Restore using Configuration SW	Not Available	Available
Work on Both BUS and Cloud Technology	Not Possible	Possible
Genuine Patent and Brand Embedded into all Parts and Plastics	Not Available	Available
Genuine Product Barcode GTIN, and Holographic Label Distinguisher	Not Available	Available
All Other Standard Smart-BUS Advanced	Included	Included

**WHY G4 (GENERATION-4) IS BETTER? HVAC 2**

<b>Air-conditioning Control (Features compared)</b>	<b>Old Smart-BUS</b>	<b>New S-BUS G4</b>
Din Rail and Wall Mountable Installation	Only DIN	Both
S-Connector Technology (No Bus Wiring inside DB Train Line)	Not Possible	Available
Added 1 Speed Relay for Medium, High, Low fan	Not Available	Available
Upgrading without opening the Device	Not Possible	By Mini USB
Ability to Snap Connect/Disconnect Cables	Not Possible	Snap In Connector
Built in Auxiliary temperature Sensor, HVAC2 Works stand Alone without need for DLP for commercial BMS applications	Not Available	Available
Flexible Port allocation and assignment	Must Upgrade every time	Standard
Colors Distinguisher Face Plates (to know which product is which)	Not Available	Available
Easy Backup and Restore using Configuration SW	Not Available	Available
Can Link to Temperature Humidity sensor	Not Available	Possible
Work on Both BUS and Cloud Technology	Not Possible	Possible



**WHY G4 (GENERATION-4) IS BETTER? HVAC 2**

<b>Air-conditioning Control (Features compared)</b>	<b>Old Smart-BUS</b>	<b>New S-BUS G4</b>
Programming and Pairing Manually to DDP	Not Possible	Easy
well designed Air cooling Vents at Back and front and Side of Module	Standard	Advanced, Double efficiency
Big Easy Label Space for Installer labeling	Small, Not Easy	Visible and Wide
Genuine Patent and Brand Embedded into all Parts and Plastics	Not Available	Available
Genuine Product Barcode GTIN, and Holographic Label Distinguisher	Not Available	Available
All Other Standard Smart-BUS Advanced Automation Features	Included	Included

**WHY G4 (GENERATION-4) IS BETTER? ZONE-AUDIO**

<b>Zone Audio (Features compared)</b>	<b>Old Smart-BUS</b>	<b>New S-BUS G4</b>
Din Rail , Table top or Wall Mountable Installation	Wall Only	All Possible
All Connection Ports Organized at Back	Scattered around	Organized
Elegant Easy Standard Cable connectors Used	Confusing	Easy
Public Announcement Auto Detect and Announce	Not Possible	Available
Auto Update of SD Card Play list and song Data Direct on Insert	Not Available	Available
Integrate Fully to DDP,HAC, Android, Win CE	Not Available	Available
Simple I phone and I pad Software Availability	Not Available	Available
No Need To Connect to Network To Start Radio	Not Available	Available
Easy Backup and Restore using Configuration SW	Not Available	Available
Work on Both BUS and Cloud Technology	Not Possible	Possible
Programming and Pairing Manually to DDP	Not Possible	Easy
well designed Air cooling Vents at Back and front and Side of Module	Standard	Advanced, Double efficiency
RS-232 Port ready for Third Party Integration	Not Possible	Possible
Lighter and More Elegant Design, with Power Button and IR Remote Functionality as Stand alone	Not Available	Available
Genuine Patent and Brand Embedded into all Parts and Plastics	Not Available	Available

**WHY G4 (GENERATION-4) IS BETTER? ZONE-AUDIO**

<b>Zone Audio (Features compared)</b>	<b>Old Smart-BUS</b>	<b>New S-BUS G4</b>
Genuine Product Barcode GTIN, and Holographic Label Distinguisher	Not Available	Available
All Other Standard Smart-BUS Advanced Automation Features	Included	Included

**WHY G4 (GENERATION-4) IS BETTER? 9IN1 SENSOR, 6IN1, 5IN1**

<b>9in1 Sensor, 6in1 Sensor (Features compared)</b>	<b>Old Smart-BUS</b>	<b>New S-BUS G4</b>
Easy To Open and close without stocking	Difficult	Easy
Easy Twist and Screw Installation Simplicity	Not Available	Available
Ability to Snap Connect/Disconnect Cables	Not Possible	Snap In Connector
Electronic Board can Be easily removed and protected until Installation Time, while base and connectors remain	Not Possible	Possible
Upgrading the Device Made Easy	Difficult	By Mini USB
Temperature Sensor Built in and Can Link to HVAC2	Not Available	Available
Unified Milky White Color that dissolve into ceiling without the Brown IR Emitter ring cover 9(Avoided)	Not Available	Available
Advanced cable Run Design to accommodate Finished Installation Needs at Concreted Ceiling Homes	Not Available	Available
Easy Backup and Restore using Configuration SW	Not Available	Available
Work on Both BUS and Cloud Technology	Not Possible	Possible
Advanced Spacing and Isolation to avoid Electromagnetic Field false Signaling	Not Available	Available
well designed Air cooling Vents at base of Module	Standard	Advanced, Double efficiency
Genuine Patent and Brand Embedded into all Parts and Plastics	Not Available	Available
Genuine Product Barcode GTIN, and Holographic Label Distinguisher	Not Available	Available
All Other Standard Smart-BUS Advanced Automation Features	Included	Included

**WHY G4 (GENERATION-4) IS BETTER? HOTEL DOOR BELL, SERVICE AND ENERGY CARD**

<b>Hotel wall panels (Features compared)</b>	<b>Old Smart-BUS</b>	<b>New S-BUS G4</b>
Buttons and Surround Finish Material Improvement	Plastic	Aluminum
Glass Material Improvement	Thick & Bulky	I Phone Quality 0.8mm Glass

**WHY G4 (GENERATION-4) IS BETTER? HOTEL DOOR BELL, SERVICE AND ENERGY CARD**

Hotel wall panels (Features compared)	Old Smart-BUS	New S-BUS G4
Back Module Size	Need Special Back box	Fits all countries
Upgrading without opening the Device	Not Possible	By Mini USB
Ability to Snap Connect/Disconnect Cables	Not Possible	Snap In Connector
Usage difficulty	Difficult Touch	Easy Push Buttons
PCB Electronics Design Complexity	Complex	Compact
Service call is Integrated within same panel, no need for extra Device like old 3G or 6G	Expensive	Cheaper
Works both Online and Offline with Door Access Memory Log and Verification	Not Possible	Possible
Built in Logic and Timer	Not Available	Available
Easy Backup and Restore using Configuration SW	Not Available	Available
Work on Both BUS and Cloud Technology	Not Possible	Possible
Monitor House Keeping activity and reporting	Not Possible	Possible
Panels Security not to be simple to remove from wall	Not Secure	Secured by Clamps, Magnets, and screw Locks
Metal Plate Twist and Screw Installation Simplicity	Not Possible	Possible
Design Standards	Asian Curved Design	Modern European Touch
Programming and Pairing Manually to Service Door Panel	Not Possible	Easy
Flexible Fascia changing (many varieties)	Difficult, Very Thick	Easy
All Other Standard Smart-BUS Advanced Automation Features	Included	Included





## Dealers Levels and Definitions

Smart Group Has Several Levels of Installers and Dealers separated according to their Expertise and Activities:

### 1- New Dealer:

is Any Technical Person or company That Has Been accepted (after Filling Application and submitting Credentials) also has received Dealer acceptance and Smart-BUS Training Certification Also has Purchased the Dealer Practice Kit.

### 2- Active Dealer/Installer:

is any Dealer That has taken Several Levels of Training, and acquired at Least 3 Different Certificates, or has purchased at least 4 Orders within first 6 Months after Training First.

### 3- Authorized Dealer:

is The Active Dealer that Has Completed at Least 3 Installations that involve at least 3 Categories of smart-BUS like: (Lighting,HVAC, Music, etc.) and these installations have been inspected and passed the Smart-Installer/Integrator Quality Standards

### 4- Super Dealer:

is the Authorized Dealer that has trained and is supporting at least 4 other Installers and Dealers under his area command umbrella.

## Genuine Certification

Genuine Smart-Group Certification is Always Sealed by Smart Home / Digitcom Seal. And is Issued and Signed by Our Chairman and Training Director.

**Please contact one of our Territory managers for schedules**

## Benefits

There are many benefits to becoming an authorized, trained member of the Smart Home Group.

As a member of Smart Home Group you will receive full training and support. Updates of newest technology and future products are announced to members first. Enjoy the worldwide network of Smart Home Group whether you need technical or logistical assistance, help is always nearby.

## How to become a member

Joining couldn't be easier.

Contact us through our website; [www.smarthomebus.com](http://www.smarthomebus.com)

Please click on contacts tab

Contact one of our territory managers (see contacts)

## Marketing materials

Please click on the "Downloads" tab. You will find this on our website; [www.smarthomebus.com](http://www.smarthomebus.com)

Contact one of our territory managers (see contacts)



## SMART-BUS TRAINING AND CERTIFICATION

Smart-Group Has designed Together with SmartHome-University several Training Programs to make sure that all Dealers/Installers, Distributors and Consultants are always kept updated and upraised on latest solutions and technology that the Group has to offer in the Automation, Techno-Lifestyle, and Energy Industries.

Most of these trainings are Offered Free to the Active Network Partners. Periodical Trainings take Place at Different World Nodes Like: UAE, Egypt, Germany, USA, Denmark, China, India, South Africa, Australia, Thailand and Other Main Hubs.

### Some of the courses offered

- 1- Automation Design, System Selection, BOQ making, Estimation, Proposal Making, and Bidding Strategies
- 2- Schematics, Connection Diagrams, Wiring and Conduit, Cables, Tools, Materials, Methodology, Procedures, Contractual correspondence and Installation steps
- 3- Product Business Development Training for BDM's Showing Applications for Different sectors and Touring Different Product Brand Development Ideas
- 4- Smart-BUS Installation and Basic programming (Level1)
  - a. Lighting and Dimming with Simple Scenes
  - b. Climate and HVAC Control
  - c. Music/ Distributed Audio
  - d. Simple Security and Occupancy
- 5- Smart-BUS Installation and Advanced programming (Level2)
  - a. Macros, Moods and Buttons
  - b. Complex Automation Logic Functions
  - c. Infra-Red / AV Control Integration
  - d. Touch screens Data Bases
  - e. Androids, Win CE, Windows 7, iPhone and Other SW
  - f. Show Control and SMS
  - g. Lifters Integration S
  - h. Shades Motors Integration
  - i. Video Control
- 6- Smart-BUS Installation and Pro-programming (Level3)
  - a. 3rd party Integration Coding
  - b. Long Range RFID Integration
  - c. Web Hosts
  - d. VRV Cool Integration
  - e. Cool Genset Controls
  - f. Community Servers
- 7- Smart-BUS Installation and scripting programming (Level4)
  - a. Low Level Coding and Scripting
  - b. Developers Workshop on Protocol and Integration
- 8- AMC Contracts, Service Level agreements, Troubleshooting, and Procedures for Protective maintenance, Emergency, corrective, and Replacement Maintenance.
- 9- Specification Writing, Specifying, and Enrolling Methodology.
- 10- OEM, ODM Policy, Idea making, Brain Storming and Organizing, Getting The Product Out, Branding, Strategic Marketing Tools.

