One Touch To An Easy Lifestyle

Access
Controls
Audio
Climate
Lighting
Security

G4

2012 PRODUCT CATALOGUE
YOUR IDEA
Smarthome for everyone

SMARTHOME GROUP
Smart Industry Corp. USA

Table of contents

Table of contents

S-Bus G4 Connection Diagrams

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,

Mr. Firas Mazloum
President & CEO ,SMARTGROUP

A2

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

Digitcom and Smarthome Family has applied constant growth trends and non-standard business approach models making it one of the Most Stable Industries in its sector today. (This Industry is simply driven by huge vision, powered by skilled teams that are trained in methods which ensure timely target accomplishment).

Mission & Vision
Philosophy Statement

MISSION

We are committed to achieve the highest standard of Techno Life Style Solutions and concepts that exceed our customer's expectations, while helping the environment and decreasing global wastage in energy and materials.

VISION

To build the largest trained Techno-Lifestyle network globally. And become a LEED for world Standards in Green Automated Technology providing products and innovative solutions to all homes and buildings worldwide.

PHILOSOPHY

We are Value Oriented when Building our solution, targeting efficiency in concept and design.
We accomplish goals by:
- acquiring in-depth understanding of our customer's and market needs
- utilizing the latest technologies available to create a simple to use solution
- implementing fully integrated, simplified fail proof systems and products
- recognizing teamwork and innovative ideas
- awarding accomplishments, and building a healthy global network family

Branches
Strategic Management

The Firm Has Established Several Hubs To Tackle All Trade Essentials And Technical Support Requirements:

- **Smart-industry Inc. Nevada-USA Hub:** To Handle USAand Canada's Market Needs
- **Smarthome Group Texas-USA Hub:** To Handle Latin America
- **Smartbuilding Control - Jordan Hub:** To Handle Mesopotamia, Greece and Turkey++ Markets
- **Smart Solutions Group, Hong Kong Hub:** To Handle China and Far East Asia Markets
- **Smarthome Control, Dubai-UAE Hub:** To Handle GCC , North And East Africa (Mena)
- **Smartnordicaps, Denmark Hub**: To Handle Scandinavia Nordic Markets
- **Smart-group Russia**: To Handle Russian and Eastern European Markets
- **Preussen / Autoluxia Hub**: To Handle European Markets
- **Shima Electronics Co. Guangdong-China Hub**: To Handle The Great China Markets
- **Smarthome Digitcom Limited – Nigeria Hub**: To Handle Central And Western African Markets

3 More HUBS are being established to Support: Eastern and South Africa, Central Asia and Sub India, Australia & New Zealand.

One of the Main Reasons of Success of Smart-Group is the Management Strategy which is based on Decentralized Intelligence while highlighting on communicated updates. This Policy permits each Hub to act completely as a Standalone structure, while maintaining the equal vision, strategy, and corporate identity worldwide without affecting the Service Level, Speed or Quality.
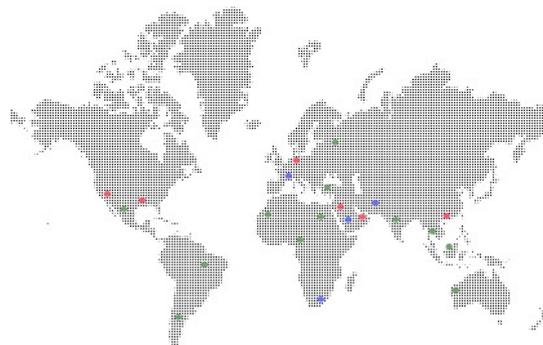
Common Questions & Answers
clear your doubts

What is the difference between an Automated and a Normal Home?

Automated Homes are Simpler and More elegant. Yet, provide more flexibility in functionality. An example: A single smart wall panel switch replaces many normal switches and equipment like: dimmers, thermostats, volume controllers, water boilers, lights and fan speed..etc.

In a smart Home a simple touch on your smart Phone, sending SMS, or a prèssing a single button can automatically activate or deactivate any or all of the following in a scene macro command:

Dim Lights to certain level in different Area, start the Air Conditioning, Open or close the shades, start Music in the Hallways, start TV and DVD or the Set Top Box in the Living Room, Heat up the coffee Machine, Start Water Boilers, Activate and switch the Security Alarm to Night Mode and so on...

The Other Difference is the ability of the SmartHome to conserve energy by decreasing wastage, securing the home, and maintaining air quality which makes it a better investment with monthly returns and a real value for the money.

Is G4 Automation Expensive to Implement?

Smart-BUS G4 Automation is exceptionally Affordable and therefore the Bigger the Project and the more standard Systems needed (like: Lighting, Air conditioning, Security alarm, PA/BGM, Door Access,++) the Cheaper the Smart G4 system shall become. (Comparative Studies show 25% Faster Wiring and Implementation time when compared to normal systems with 41% savings in Materials wasted on normal systems) The G4 Team Guarantees relatively, the same Budget allocation or even Lower to execute all systems planned inclusively. The Smart-G4 Estimated total Implementation Cost is usually between 1.5%-4% of property value which is usually allocated in general cases (Normal commercial systems and wiring budget)

What is Smart-BUS G4?

Smart-BUS G4 Automation is the fourth generation of S-BUS Automation entertainment and control System solutions. This system is unique as it allows installers to wire flexibly, Install and program by hand easily. Smart-G4 is also Unique for Users, because of its simplicity and user friendly interface, Luxury finishes, and affordability.

What Benefits can Smart-G4 Give me as an Owner?

S-BUS G4 Automation System can Give many Benefits to different Types of Owners accordingly:
●For Home Owners G4 can provide: Luxury, Comfort, Security, vanity, & Energy Savings,
●For Property Developers G4 provides: Value adding, Faster Property turnover, Green & Smart Image
●For Bankers G4 can Provide: Better Collateral, higher Loan premiums, Green Loan Image
●For Hotel Owners G4 provides: more comfort, Luxury & Techno Image, Better Room occupancy & higher rates

Is Smart-BUS Protocol an Open One?

Yes, Smart-BUS G4 protocol is truly an Open protocol. It is particularly designed to become the standard for solving All Automation Needs. Smart-Group has registered this Protocol Patent to assume ownership and make sure that it remains open to all System Developers and Integrators worldwide.

Does Smart-G4 Automation System Save Energy?

Yes, Smart-BUS Automation can save between 30% - 80% of wasted energy if a comprehensive System is designed and implemented accurately. This saving in wastage also enhances the effective usage time and decreasesreplacement and repair costs.

Common Questions & Answer
clear your doubts

Can Smart-BUS G4 be implemented in Old Homes?
Yes, Smart-BUS Automation is an extremely flexible and Modular system. It has been implemented in many finished, either old or already Built Homes. We understand the Complexity and how to reach solutions with Minimal wall and ceiling wiring repair needs. Old Home Owners can invest happily in G4 Automation and benefit a lot. (Our Consultants are ready to assist in the System Design and solution Implementation)

Can Smart-G4 System be controlled over the Internet or remotely?
Smart-BUS G4Can Be considered today as the most flexible system to control amenably from almost any location remotely or locally. And it can be controlled using multiple user interfaces in complete flexibility like:
●Wall Touch screens, wall mounted Panels and switches (Home Switches)
●Hand Held remote controls (Remote)
●Any windows PC, Laptop, Tablet, or net-book on the Local Network (Windows)
●Using Apple Iphone, Ipad, Ipod (IOS)
●Using Android Driven Devices like phones, Tablets, Set top Boxes, smart TV (Android)
●By Sending an SMS from any phone or PC device (SMS)
●Using Any Browser Enabled Device locally or Internationally (web-Control)
●Chatting with the System Using Skype Messenger. (Skype)
●Among more logical and sensor based ways available (Sensors)
Others methods are also coming soon.

Can Smart-G4 Automate Non-Residential Applications?
Smart-BUS G4 is designed as a Modular system. System Designers can select different Modules and create new solutions that fit many different applications and industries. For example:
●Can Create Smart Board Room (Automated Meeting Room) solution for Office and Hotel.
●Can Create Smart Barber shop (Automated Salon) solution
●Can Create Smart Nurse Call (Automated Hospital) solution
●Can Create Smart Restaurant (Automated Diner) solution
●Can Create Smart Shopping Center (Automated Mall) solution
And Many More as per designer, installer, or client Needs.

What happen if I buy Smart-BUS G4 today (then in few years once a new System is launched) will I be able to use the new system or upgrade or I will lose all of my investment?
Smart-Group is on a constant Research and Development path, but has one constant principle for innovation based on system compatibility and easy upgradability. Today, the Smart-BUS G4 is compatible with the older Generations G3, G2 and Most of the G1 products launched earlier. Similarly, we expect the future generations to have the same basic ability.

Are you planning to produce retrofit products soon?
Smart-Groups Vast experience in implementing and testing different Technologies has made us realize that to date, only wired technology can maintain quality, communication speed, stability of functions and ability to handle big loads for professional fault free implementation. Smart-Group understands that only the small industry sector might accept Retrofit or Semi-Retrofit Solutions.
For this reason, Smart-Group is currently taking solid progressive steps to integrate and partner with other retrofit technology Giants to enable integrating Smart-BUS to other Retro systems like: C4/Zigbee, UPB/PCS, W-BUS, TrailClick and Other options.

SMART-HOME's reliable home control systems are the most popular in the world.
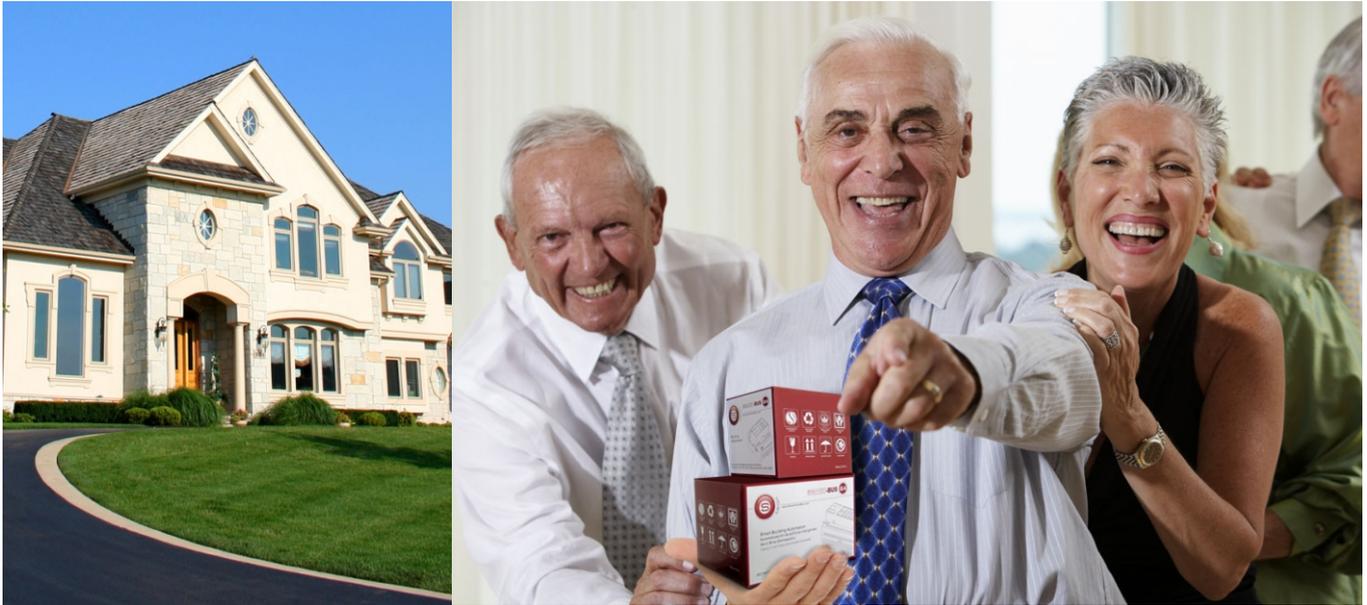
Popularity

No Other Automation Company System in the World has experienced Such Growth in Brand and Popularity in the History like Smart-BUS Automation of Smart-Group.

With a Growing Network of Over 3636 Installers, Integrators, Distribution partners and Software developers worldwide, the Smart-BUS Popularity is growing day by day.

Despite the Economic Recession, the Smart-BUS has glided up and rides the wave to astonishing Success in Branding and Innovation.

The Smart-BUS Patented Technology is the juice of over 26 Years and the Smart Teams cumulative specialized experience of 200 Years in Low current Development, installation and Integration has helped in the evolution of smart-BUS Technology Today.

Smart-G4 Uses Unique Distributed Intelligence structure, that permits each zone to work as stand-alone as well as in conjunction with the other zones in the network. Smart-BUS unique Wiring Topology (Smart-Mesh (TM)) allows Device wiring, Installation and Manual Programming by any technician. Uniquely, Smart-BUS can support Over 16,500,000 Devices to be networked and bridged together under One or Multi command and control centers.

The smart-G4 has developed all control solutions under one roof using one Protocol and Technology which make it the people's First choice Today due to its user interface flexibility, ease of use, affordability, unique expandability topology, stability and extreme luxury finishes.

Smart-G4 Automation is the Bullet Proof, Fail Safe, distributed Intelligence System of Future Homes.

Smart-G4 uses FW Process decentralized controllers embedded in every device with 4 Levels of fail safe Protection Technology. The G4 does not use any fans, Disk drives or Movable Parts that can fail over time. The G4 has a Voltage Operating Tolerance between 8 and 36 Volts and is flexible for use and control from 8VDC-80VDC and 80VAC up to 230VAC

The Stability of the System, the Simplicity of use, the Speed in its installation and configuration, and the availability of several Manufacturing partners and software developers with its real Open Protocol flexible topology made smart-BUS today world's First choice in the field of Lifestyle automation.

Manufacturing, R&D and Logistics Facilities

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.

Research And Development

QC

Production And Assembly Lines

Reflow And Wave Soldering Machine

SMT/SMD

Warehouse

Distribution Network

The international sales team
★ ★ Best Team ★ ★

Smart Group embraces Pyramidal Network Build up Structure. Accordingly we have divided the World into 14 Major Territories based on Language, Cultures and Geography as following:

1-USA & Canada Territory (NAM)

2-Latin America Territory (Latina)

3-Scandinavian Territory (Nordics)

4-Central and southern European Territory (Europe)

5-Russian and Eastern Block Territory (East Russia)

6-Middle East and North African Territory (MENA)

7-African Central, western, Eastern, and southern Territory (Africa)

8-Turkey, Greece, Iran, Cyprus (Empires)

9-Indian Continent Territory (Indian Sub)

10-Great China Territory (China)

11-Central Asia Territory (CASIA)

12-South East and far East Asia Territory (Asia)

13-Australia and New Zealand Territory (AUZN)

14-The Islands world-wide Territory (Islands)

Based on the Demand for Availing quick Local Service and Support, Each of these Regions has been divided per country as a separate distribution hub. Some Big Countries like India, Saudi Arabia, USA,Russia and similar have been Assigned to Master Distributors that assign Distributors under their support and supervision. Each Distributor is again in charge of developing their Sectors by assigning sub-distribution per city or area coverage based on 2Hours support Travel Distance. The sub-distributor is in charge of constructing his own area network as well by training and assigning and training a network of dealers, installers and system Integrators accordingly.

We Welcome Solid Partners to Join our Smart-Team Network

Company Honor

Smart-BUS Technology has Enabled Many of our Partners and Enabled our Company to receive several World Honors and Awards. Some of these Awards are:

USA

Golden Award and Mark Of Excellence By CEA – USA (Best Audio Product)

Ukraine

Ukraine Smart Building Org. – (Best Smart Product In Ukraine Award)

Middle East

PALME INSTALL., UAE – (Best Home Automation and Best Lighting System)

Australia

Clipsal Australia -(Outstanding Performance Smart Solutions UAE)

Germany

Techno Lifestyle GmbH Germany

UAE

CityScape Intelligent Building Committee (UAE)

In Addition to Other Honors, Achievement certifications, and Gratitude from Several entities in different Countries like:

- Russia
- Vietnam
- UAE
- South Africa
- Saudi Arabia
- Iran
- Pakistan
- Germany
- Canada
- Denmark
- Australia

Patents & Certification

Patented IPO's

Smart Group Owns Several Patents related to Smart-G4 Products Especially:

201110123081.0 for Smart-BUS Protocol

201120231156.2 for Smart-BUS Zone-Audio

201120213397.4 for Dynamic Function Panel Smart-DDP

201120213375.8 for Multi Functional Sensors (5in1, 6in1, 9in1..etc)

201120452441.7 for Smart-BUS Train Connection Topology S-Connect

More Patents are Under registration Now as well.

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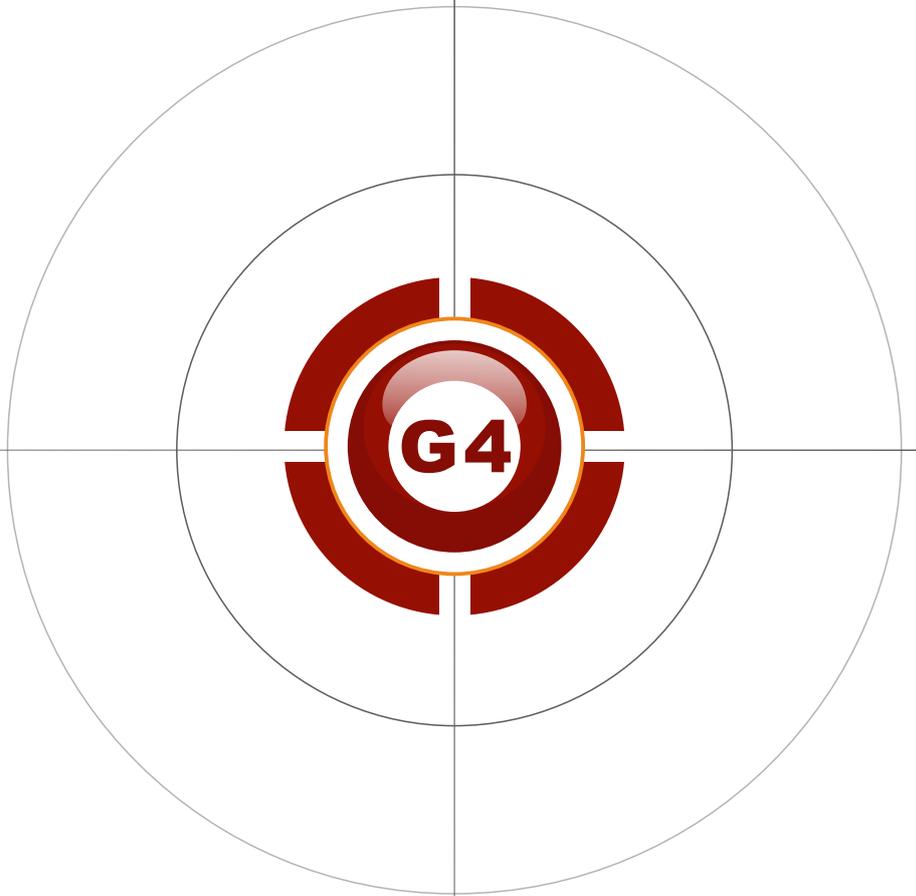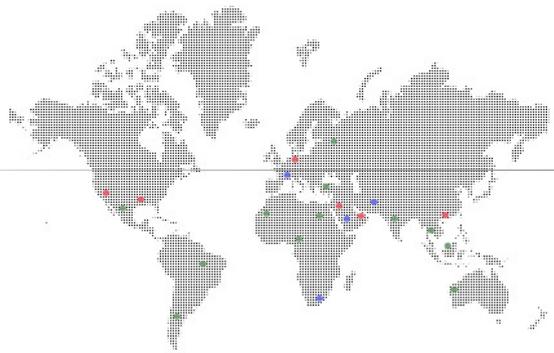
We are OHSAS 18001-2007 Occupational Health and Safety Zone Certified

Memberships:

Smart-Group is Nowa Member of many World Organizations and Development entities some of which are:
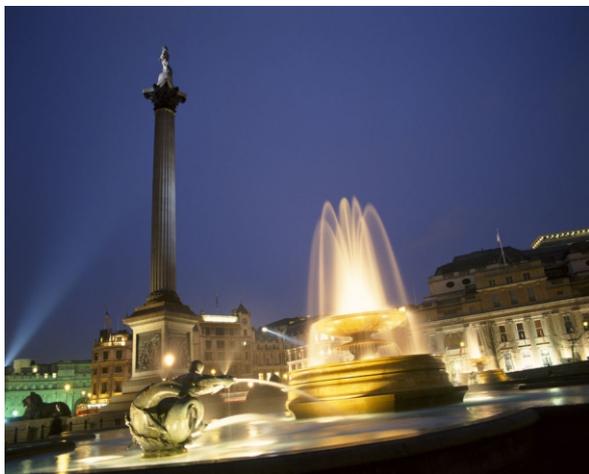
Smart-BUS G4

IN GENERAL

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:
1-Smart Hotel GRMS (Guest Room management System)
2-Architectural Intelligent Lighting
3-Smart Yacht Solution
4-Smart Home (Intelligent Apartment)
5- Smart Prayer Hall (Church, Mosque, Temple)
6-Smart School / Smart Classroom
7-Smart Hospital / Smart Clinic
8-Intelligent Building / Green-Office/ Library
9-Smart Club / High End Theater/ VI Reel cinema
10-Smart Restaurant / Smart shopping Outlet
11-Smart Mall / Automated Shopping and commercial Centers
12-Musical Fountains and Show Control
13-Smart Spa / Smart Resort / Smart Beauty Saloon
14-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

- Poloron
- Futronix
- Lite Touch
- Preussen
- Cool Master
- Makita
- Philips Dynalite
- Cytech Comfort
- Micro-idee
- Optoma
- Bose
- Buttkicker
- RCS
- Humax
- Panasonic
- Bechamp
- Iriduim Mobile
- HCL AEGIS
- RAIDD
- FDL, HDL, and Strand

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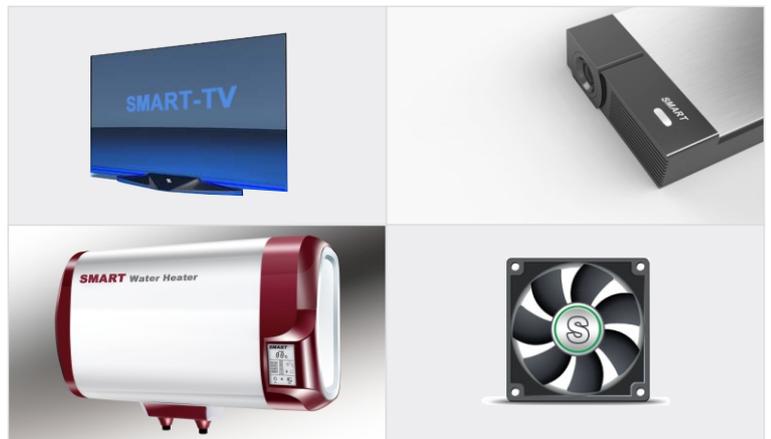
In Short, Smart-BUS is the future platform to unite Home Automation Entertainment and Intelligent Building Technology Today.

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

Hotel GRMS Capacity
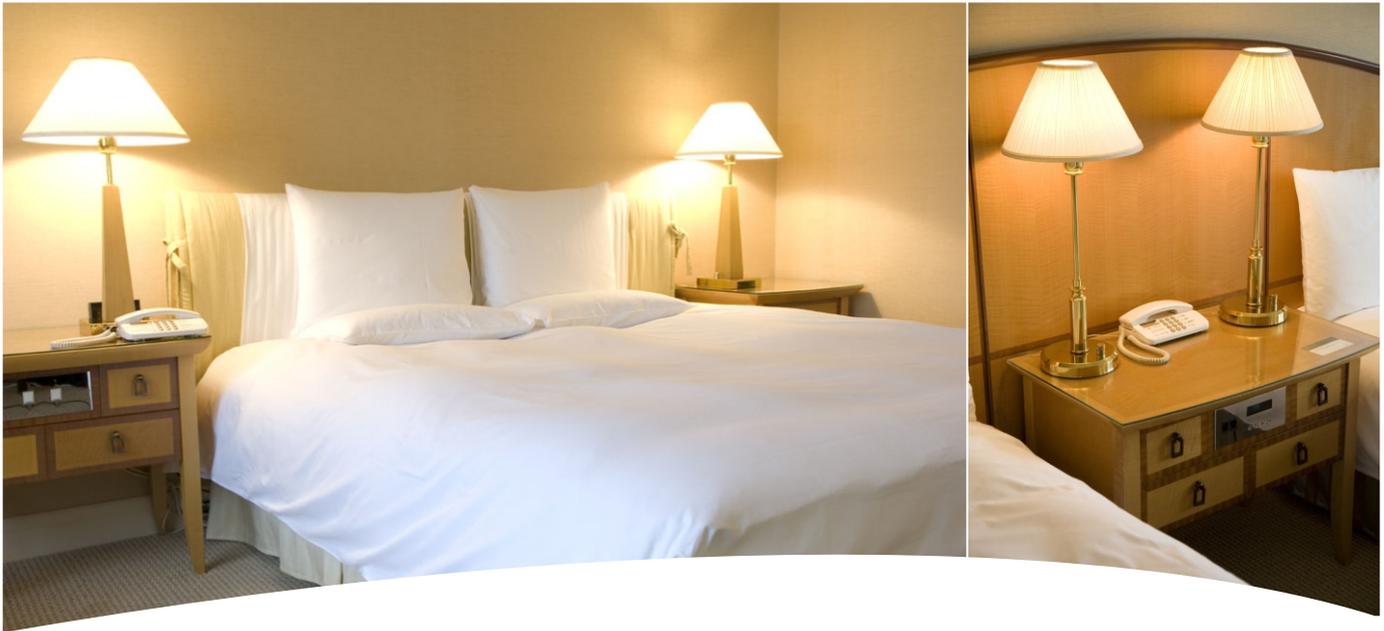
System	Specs
RFID Standard	Mifare
Data Storage Per card compatibility	Model S50=1KB / Model S70=4KB
One Guest Card Can Handle	1-50 / 1-100 Maximum Rooms
Master card System Can Handle	6000 Rooms Maximum Per Hotel
Operating Voltage	24VDC
Voltage Tolerance	12-36VDC
System Consumption Average in Total	250 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 Integratibilkity	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

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/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
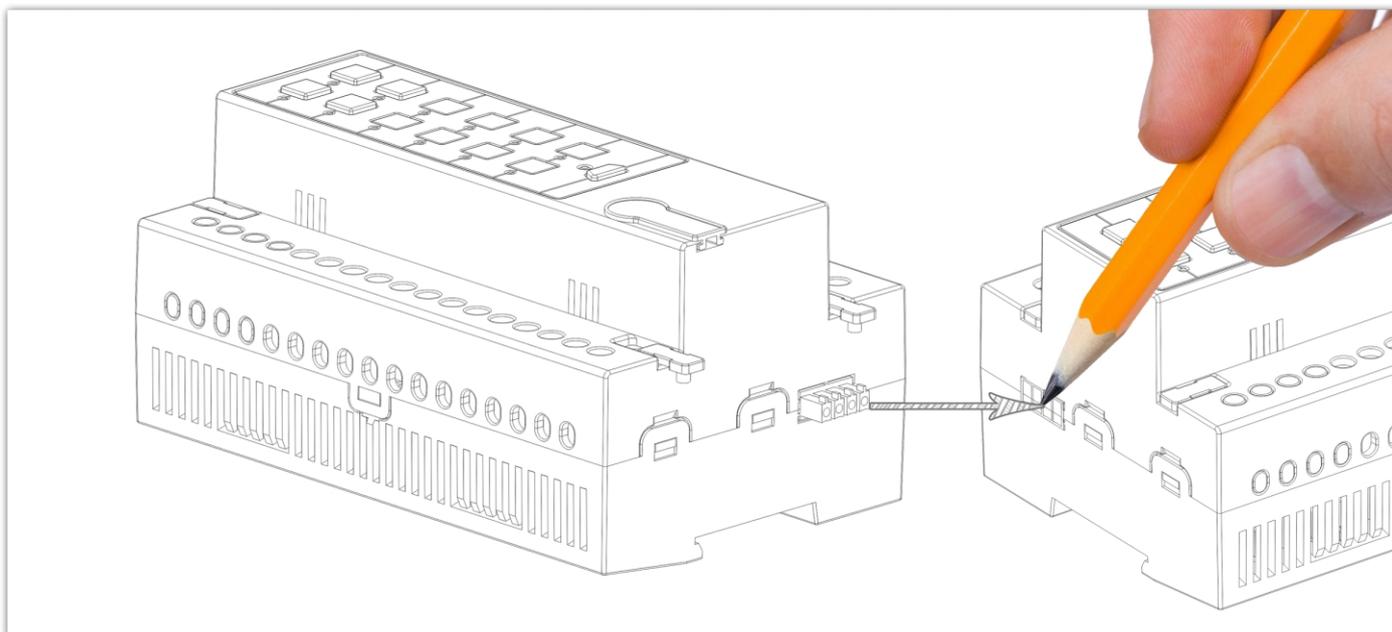○ Universal – CDP G4 Slim, Flush Mount

DDP

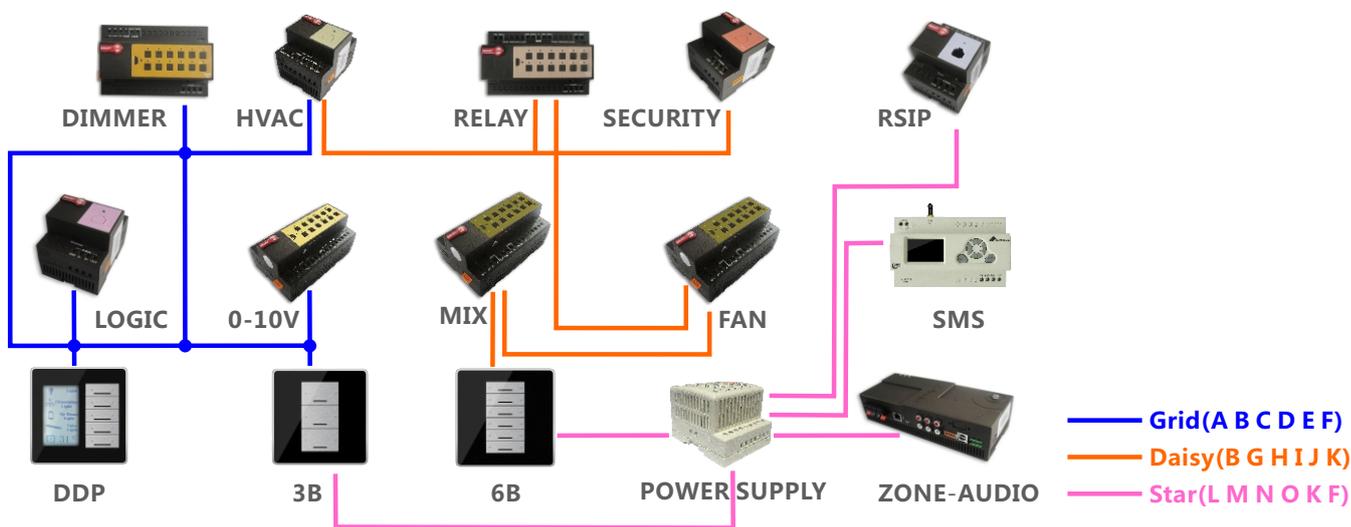CDP-J   CDP-T   FDP-T
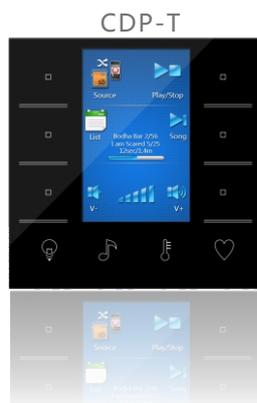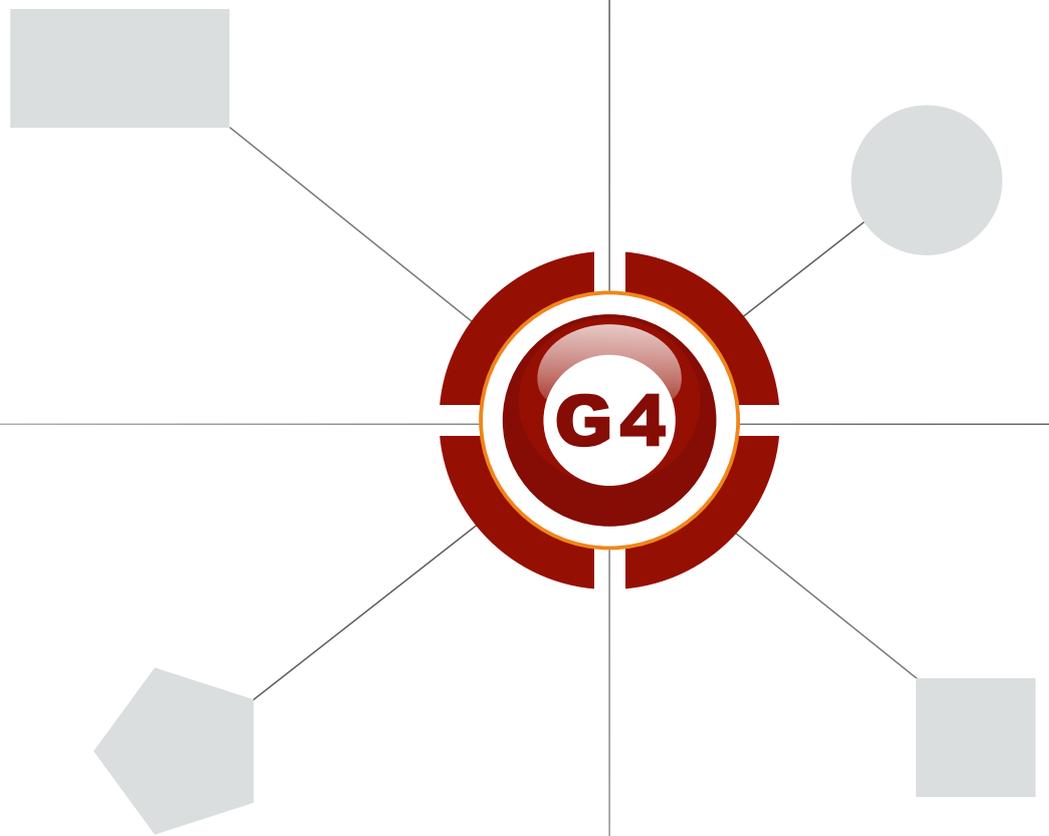
Smart-BUS G4

CONNECTION DIAGRAMS

The Magic Of Smart-Bus

The Magic of Smart-BUS is merely not only in its Open Protocol and Complete Fully Integrated Solution but also in Many Other Unique Magical Features like:

- The method that Smart-BUS uses to connect between zones & The way that each zone has its own Distributed Intelligence (Can Work Alone or As an integral Part of the total Body)
- The Simplicity of the Material and Tools That Smart-BUS uses that are widely available at any hardware store: (Data Cable Cat5e, Pliers, and a Screw Driver Mainly)
- The Easy Mixed Mesh Topology wiring that accepts: Daisy Chain, Star, Grid, Close and Open Loop. (No Other Automation System Other Than Smart-Bus can do this today)
- Smart-BUS consumes Unique Train Connect Patented Technology and Easy S-Connector that permit easy dismounting of Panels, Sensors, and Devices in seconds without Disturbing network workability.
- Smart-BUS Remarkably can Accommodate more than 60,000 Devices and As BIG as 1,260,000 2-way Monitored and controlled Ports or Channels.
- Smart-BUS is not Only Magical but also Bullet Proof that has several levels of Protection :

  ○ Current Feeds Fluctuations   ○ Overloading   ○ Short Circuit
  ○ Reverse Polarity   ○ Overheating   ○ Communication Voltage Tolerance

DIMMER   HVAC   RELAY   SECURITY   RSIP

LOGIC   0-10V   MIX   FAN   SMS

DDP   3B   6B   POWER SUPPLY   ZONE-AUDIO

— Grid(A B C D E F)
— Daisy(B G H I J K)
— Star(L M N O K F)

Green & Smart Building

Many People Are confused and do not distinguish the difference and the commonalities between Green and Smart Building. Here we will briefly Identify both and establish the common areas.

A) Green Building:
Green Building is the Building that uses environmental friendly materials, Equipment, and methods. In Green Building Energy Sustainability is always put before Eye and thus many factors that defy such energy sustainability must be tackled by the Green building Designed like:
● Infiltration (Leakage of Energy due to Unsealed Volumes or Hatches
● Penetration (Extreme sunlight entering Building in Hot Arid Regions)
● Daylight Harvesting (Minimizing Corridors, and Introducing Light tunnels + +)
● Investment in Insulation Materials and Technology
● Investment in Energy smart (Cooling, heating, and Lighting Systems and technologies++)
● Decreasing the wastage in Energy.
● Recycling - reusing

B) Smart Building
Smart Building is the comfortable Building that is well Monitored and controlled.
● Lighting Inside and outside
● Elevators and Escalators
● Boilers and Pumps
● Exits and entrances
● Temperature and Climate
● PA and BGM
● Media and Information
● Security and Safety
● Energy Management and Wastage
● Shades and Motorized Louvers

C) Commonalities between Green and Smart Buildings:
   Only Few things are in common between the 2 Conceptual building types
1-Decreasing the wastage in energy using Timers, Logics, Occupancy Sensors + +
2-Daylight Harvesting by Motorizing Louvers and Shades + +
3-Using Smart Building Energy Management and Monitoring ability to Monitor and enforce better
    practice and behavior
4-Decrease in usage of Environmentally harming materials like Conduits, cables, back boxes, many wall
    devices.. Etc. (As well as Decreasing Noise Pollution time during its Installation)
5-Warnings about User created Infiltration (forgotten Doors, windows, Hatches + + open)
6-Dimming Lights create at least 30% savings in energy due to less electricity, less heat generation, and
    less need for Air conditioning accordingly.
7-Controlling wastage include switching off devises, decreasing operational speed slightly, or dimming
    lights slightly which all three of these make the Replacement time and costs much less.

SMART-BUS Security Typical Diagram

Smart-BUS Ready PIR Sensors with Logic, or Simple

SMS

| 9 in 1 | 5 in 1 | 6 in 1 | SB PIR |

Battery
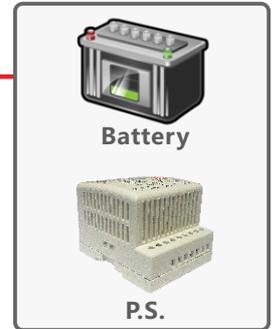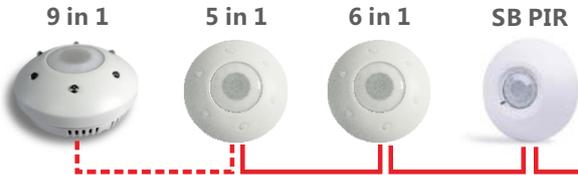
Any burglar Alarm detector or sensor that is NO/NC based. Like: PIR, Magnetic Door & window Contact, Industrial Magnetic for garage and Gate, Pressure Matt, Break Glass, Shock Sensors

Cable8

P.S.

4Z

Any Safety Alarm detector or sensor that is NO/NC based. Like: Cocking Gas Leak Detectors, Garage CO gas, Smoke detector, Pool Guard, water Leak, Granny Panic.. etc.

4Z

Security

RSIP

4Z

DDP

Audible Siren, Visual Flasher, Silent Dialer or any NO/NC Triggered Third Party Devices.

3R

Note: Maximum 50,000 of 4-Zone Modules can be Connected to give addressable 200,000 Zones

WIFI

Note: Maximum of 5000 9in1 and 6in1 or 5in1 can be connected to give 15000 Additional addressable Zones.

Maximum of additional 5000 Simple BUS enabled PIR can Be added.
Note: Maximum addressable Zones collectively should Not Exceed 250,000 Addressable Zones.

SMS Modules Can Be added, RS-232, 485, and NO/NC relays can be added selectively.

IPHONE & IPAD

PC

General System Diagram

CABLES

————	LAN
————	S-BUS
————	A/V
————	DC24V

SPEAKERS

LAPTOP

COMPUTER

SPEAKERS

ZONE-AUDIO

ZONE-AUDIO

SMART TV

WIFI

ROUTER

TV

RSIP (GATEWAY BRIDGE)

SMART-GATE WEB HOST

CABLE MANAGER

Power Supply DC24V

DISPLAY PANEL

SWITCH

SENSORS

IR AV CONTROL

DRY INPUT

DIMMER

RELAY

CLIMATE

AUTOMATION

SECURITY

REMOTE CONTROL

IPHONE & IPAD

BLACKBERRY

ANDROID SCREEN

TOUCH SCREEN

C4

Hotel Diagram

ENGINEERING COMPUTER

SECURITY COMPUTER

FRONT DESK COMPUTER

WIFI ROUTER

GATEWAY BRIDGE

CARD HOLDER

DOOR BELL

BEDSIDE CONTROLLER

AUX DIMMER

Mix Controller

ROOM-1

CARD HOLDER

DOOR BELL

BEDSIDE CONTROLLER

AUX DIMMER

Mix Controller

ROOM-2

CARD HOLDER

DOOR BELL

BEDSIDE CONTROLLER

AUX DIMMER

Mix Controller

ROOM-3

Hotel GRMS Ideas and Diagrams
Typical GRMS Connection

CABLES

————	**LAN**
————	**S-BUS**
————	**A/V**

Floor Heater

Water Boiler

FCU / VAV

Exhaust Fan

Breaker

Bell Chime

AUX DIMMER

ELCB

Shade Motor

Mix Controller

Card Holder

Bathroom PIR

Balcony MAG

Bedside Controller

Bed Room Channels:
2 Bedside Dimmer Table Light,
1 Standing Corner Light
1 Corridor Entrance Light
1 LED Bed frame/TV Frame Light
1 balcony Light
1 Setting Room Light

Bath Room Channels:
1 Toilet Light,
1 Mirror Light,
1 Bath Light,
1 Shower Light
1 Electro Tinted Glass
Control Channel

Balcony MAG

DOOR BELL

Bathroom PIR

Door Elect. Lock

To Next GRMS

To Next GRMS

Hotel GRMS Ideas and Diagrams
Multi-Room Networking

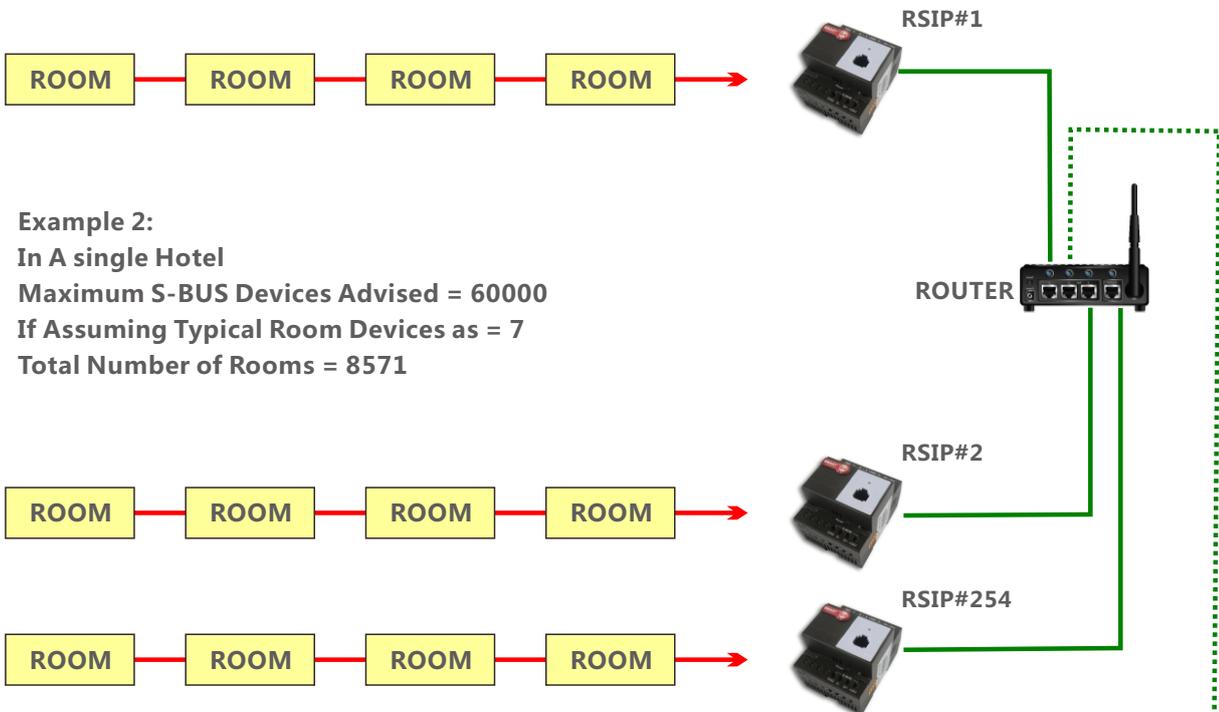| CABLES	
	LAN
	S-BUS
	A/V

Example 1

Assuming That Each Room Has 6 typical Devices: as below and Adding 1 DDP or 4 Button switch. This Means in a single Subnet we can have up to 42 Rooms without any need for Adding
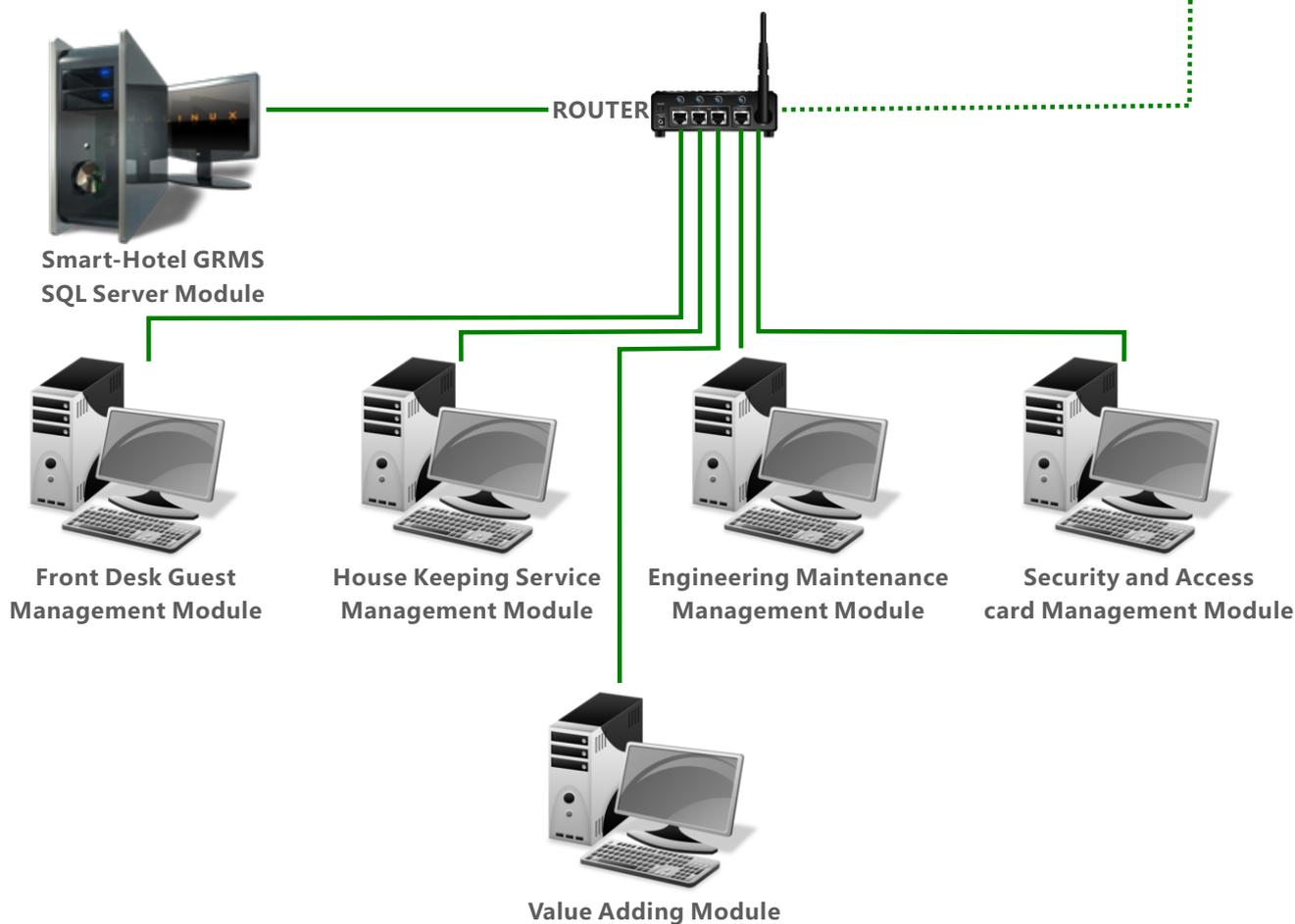
AUX DIMMER
Mix Controller
BEDSIDE CONTROLLER
CARD HOLDER   DOOR BELL
Room#1

AUX DIMMER
Mix Controller
BEDSIDE CONTROLLER
CARD HOLDER   DOOR BELL
Room#2

AUX DIMMER
Mix Controller
BEDSIDE CONTROLLER
CARD HOLDER   DOOR BELL
Room#3

AUX DIMMER
Mix Controller
BEDSIDE CONTROLLER
CARD HOLDER   DOOR BELL
Room#42

RSIP#1

AUX DIMMER
Mix Controller
BEDSIDE CONTROLLER
CARD HOLDER   DOOR BELL
Room#43

AUX DIMMER
Mix Controller
BEDSIDE CONTROLLER
CARD HOLDER   DOOR BELL
Room#2

AUX DIMMER
Mix Controller
BEDSIDE CONTROLLER
CARD HOLDER   DOOR BELL
Room#3

AUX DIMMER
Mix Controller
BEDSIDE CONTROLLER
CARD HOLDER   DOOR BELL
Room#84

ROUTER

RSIP#2

AUX DIMMER
Mix Controller
BEDSIDE CONTROLLER
CARD HOLDER   DOOR BELL
Room#10557

AUX DIMMER
Mix Controller
BEDSIDE CONTROLLER
CARD HOLDER   DOOR BELL
Room#10558

AUX DIMMER
Mix Controller
BEDSIDE CONTROLLER
CARD HOLDER   DOOR BELL
Room#10559

AUX DIMMER
Mix Controller
BEDSIDE CONTROLLER
CARD HOLDER   DOOR BELL
Room#10600

RSIP#254

Hotel GRMS Ideas and Diagrams
Multi-Room Networking

CABLES

───	**LAN**
───	**S-BUS**
───	**A/V**

RSIP#1

ROOM	─	ROOM	─	ROOM	─	ROOM

Example 2:
In A single Hotel
Maximum S-BUS Devices Advised = 60000
If Assuming Typical Room Devices as = 7
Total Number of Rooms = 8571

ROUTER

RSIP#2

ROOM	─	ROOM	─	ROOM	─	ROOM

RSIP#254

ROOM	─	ROOM	─	ROOM	─	ROOM

ROUTER

Smart-Hotel GRMS
SQL Server Module

Front Desk Guest
Management Module

House Keeping Service
Management Module

Engineering Maintenance
Management Module

Security and Access
card Management Module

Value Adding Module

Zone-Audio Diagram
Application ideas

Commercial Examples(A)

Mosques and Prayer Halls: Announce Prayer according to Timers, Announce Duaa

Factories: Play BGM, Ding on Shifts (As Time Clock)

Hotels, Hospitals, and Malls: BGM, Announce Promotions, Working Hours

Schools: Ring Different Bells according to Class Start/End Schedules, Play national Anthem, BGM ++

System Assembly Diagram
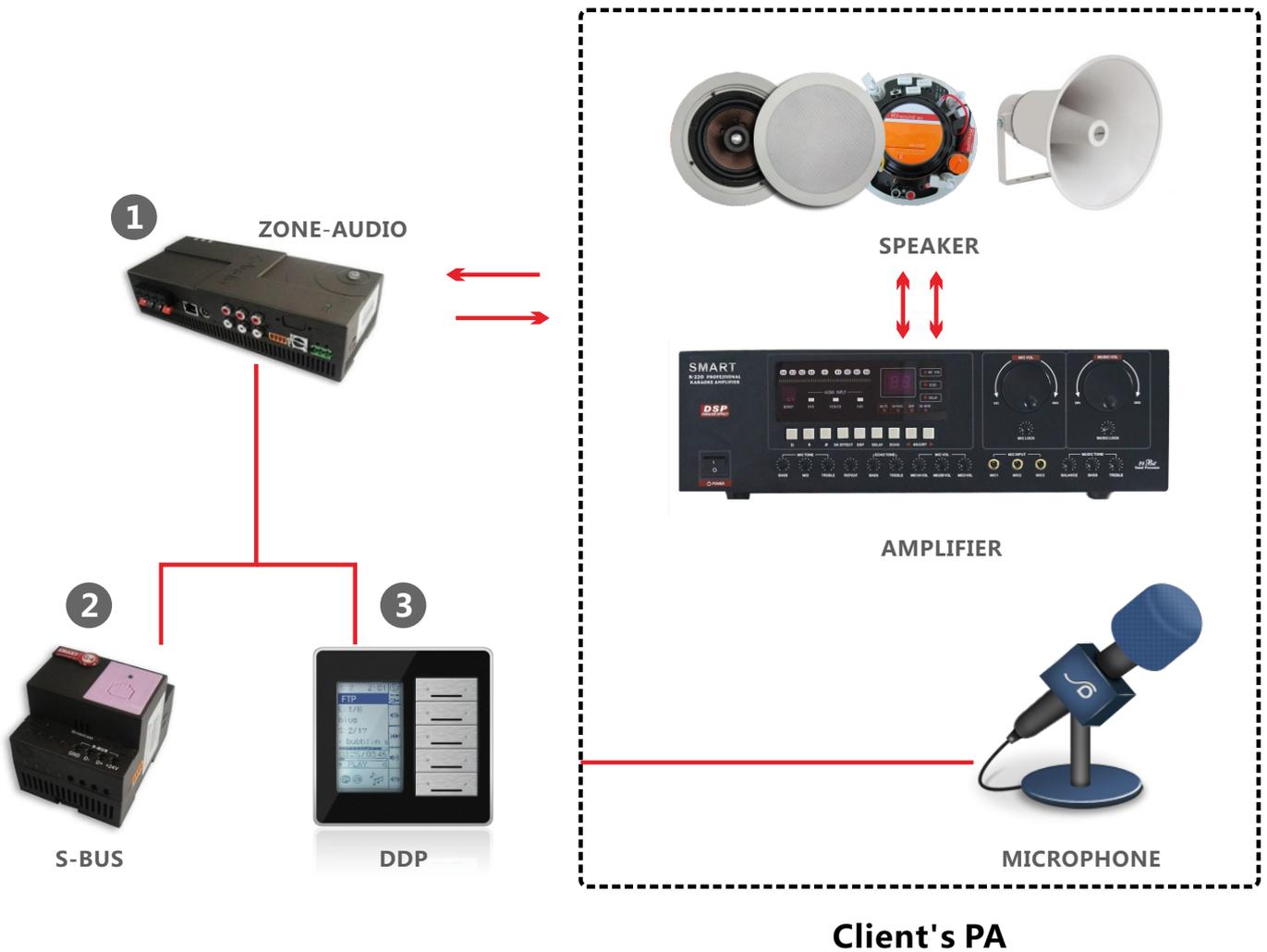
① ZONE-AUDIO

SPEAKER

AMPLIFIER

② **③**

S-BUS DDP

MICROPHONE

Client's PA

Special Parts List

1. Zone Audio Source Drive with SD card and simple Power Supply: SB-Z-AUDIO2

2. Logic Module: SB-Logic2 –DN

3. DDP: SB-DDP-EU (Select and Display: Song, Track, Duration, Genre, Album, Volume Level)

Zone-Audio Diagram
Application ideas

Commercial Examples(B)
Department Stores: BGM, Greeting, Service Call Requests Per Zone, Closing Time Announcements
Museums and Galleries: Speak About The Displayed Items in Different Languages
Offices: BGM, or On Hold Promotional Advertisement, Or Fire Evacuation Announcements
Governmental & Immigration Queuing: Repeat Documents List, Behavior Rules, and Instructions

System Assembly Diagram
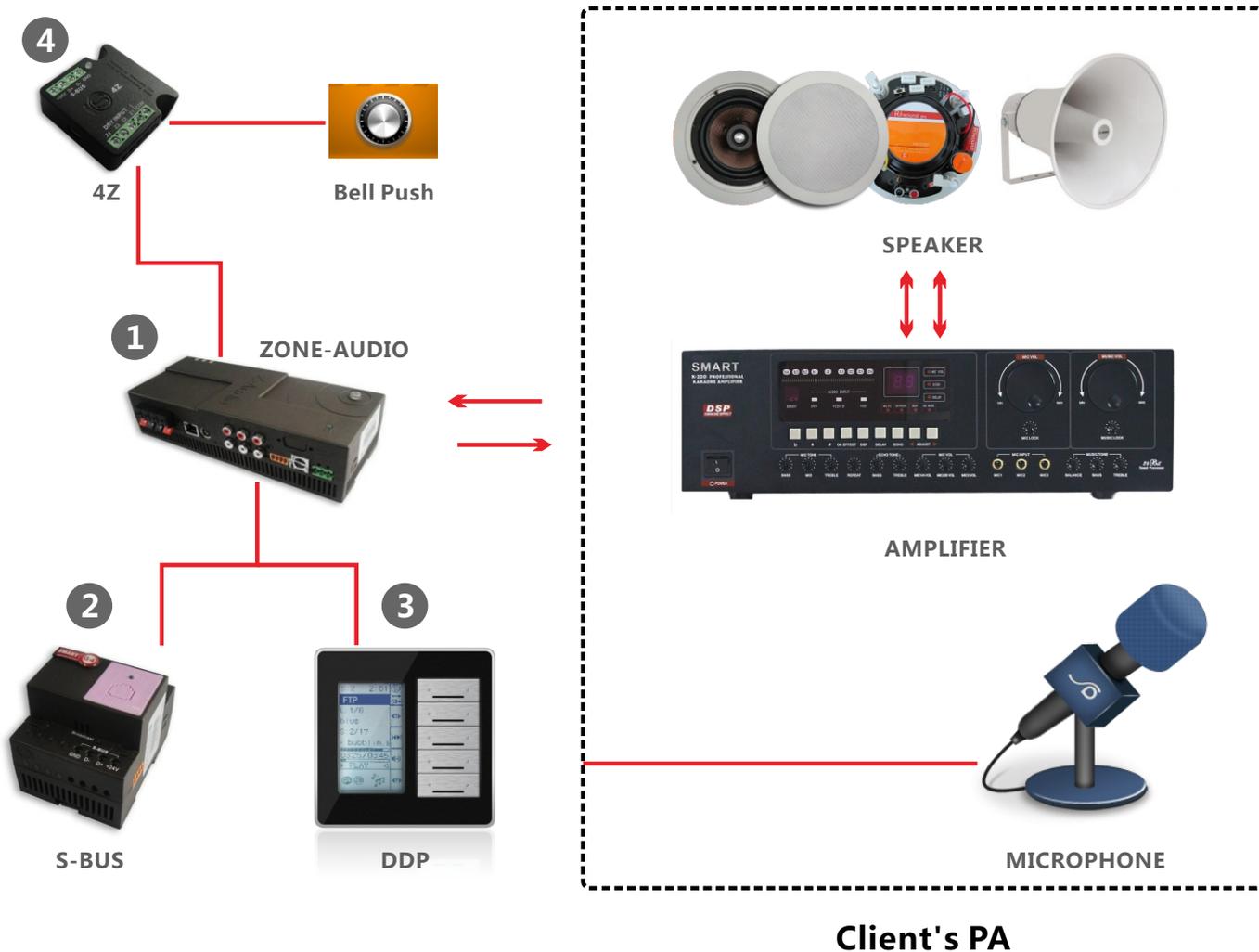
4Z   **Bell Push**

ZONE-AUDIO

SPEAKER

AMPLIFIER

S-BUS   **DDP**   **MICROPHONE**

Client's PA

Special Parts List
1. Zone Audio Source Drive with SD card and simple Power Supply: SB-Z-AUDIO2
2. Logic Module: SB-Logic2-DN
3. DP: SB-DDP-EU (Select and Display: Song, Track, Duration, Genre, Album, Volume Level)
4. 4-Z: SB-4Z-UN (Connect Push Buttons, Motion Trigger sensors to Announce as Needed)

Zone-Audio Diagram
Application ideas

Residential Examples(A)
Using Z-Audio as Digital Streaming Source for Third Party Matrix System:
In This Case, Z-Audio Shall Act as Audio Digital Streaming Box from NAS and Any Other LAN Connected PC's HDD. Also can Stream from Local SD Card Content. Client can Choose and control Source and Tracks or Volume Using DDP-M, Hand Held Androids, or PC Devices. Optional: SMS Card & GPRS Module Can Be Added to Send SMS from any Mobile Phone& Announce Remotely Using TTS Technology

System Assembly Diagram

4

SMS

DATA SWITCH / WIFI

NAS

1

ANDROID

ZONE-AUDIO

SPEAKER

SMART

AMPLIFIER

2

3

S-BUS

DDP

Remote Control

IPOD
TV
DVD
CD
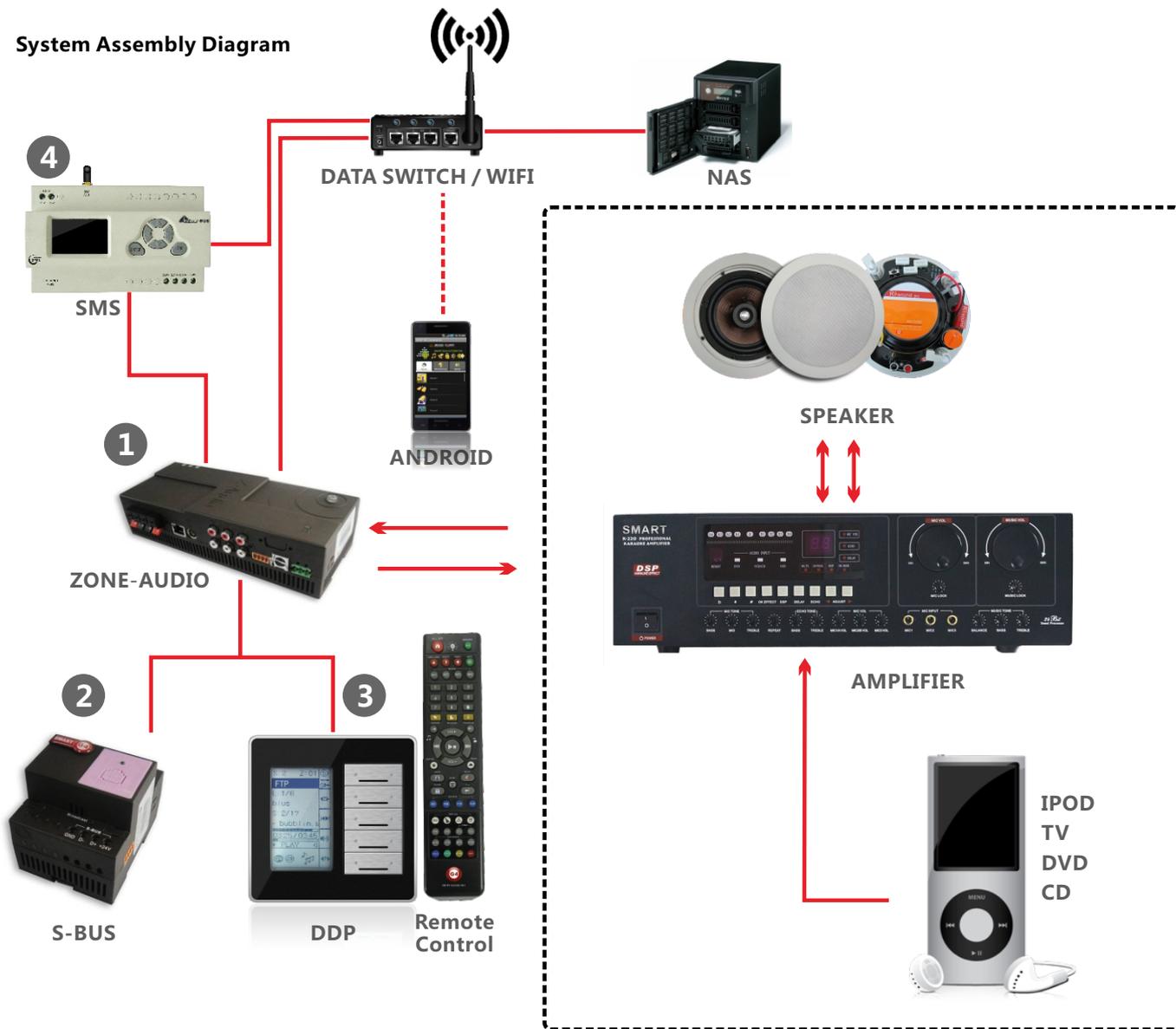
Client's Martix System

Special Parts List

1. Zone Audio Source Drive with SD card and simple Power Supply: SB-Z-AUDIO2
2. Logic Module: SB-Logic2-DN
3. DDP: SB-DDP-EU (Select and Display: Source, Song, Track, Duration, Genera, Album, Volume Level)
4. SMS Module SB-DN-SMS/IP (Add Optional TTS "Test To Speech" card inside Z-Audio)

Zone-Audio Diagram
Application ideas

Residential Examples(A)
Using Z-Audio2 as Digital Streaming Source for Third Party Matrix System:
Continued...

Residential And Features

Using Z-Audio Adds many features to The Third Party System at Very Affordable Prices
1– Ability to Play From SD card Storage Directly
2– Ability to stream Audio from Network Accessible Storage HDD
3– Ability to Stream Audio form PC's and Other LAN Connected Devices
4– Ability To Play FM Radio From Z-Audio Embedded Tuner *
5– Ability to Connect Auxiliary Source like Ipod, TV, DVD, CD, Etc. and Z-Audio Act as Analogue switch
6– Ability to Send Text Message from Network Connected PC & Z-Audio TTS Card shall Read it out.**
7– Ability To Send SMS Message from Mobile Remotely Then Z-Audio TTS Card ** Shall Read it out
8– Ability To Control Source, Volume, Track ++ remotely Using IR Hand held remote Control

NAS

DATA SWITCH / WIFI

6

Hand held Android Phone or Pad

ZONE-AUDIO

5

Hand Held IR
Remote Control

DDP

Zone-Audio Diagram
Application ideas

Residential Examples(B)

Using Z-Audio as Digital Distributed Multi-Zone Audio System:
In This Case, One or More Z-Audio can be Used as Needed, where every Zone Can Listen to Totally Different
Music, Also Z-Audio Shall Act as Audio Digital Streaming Box from NAS and Any Other LAN Connected
PC's HDD. It can Play from Local SD Card Content. Client can

System Assembly Diagram
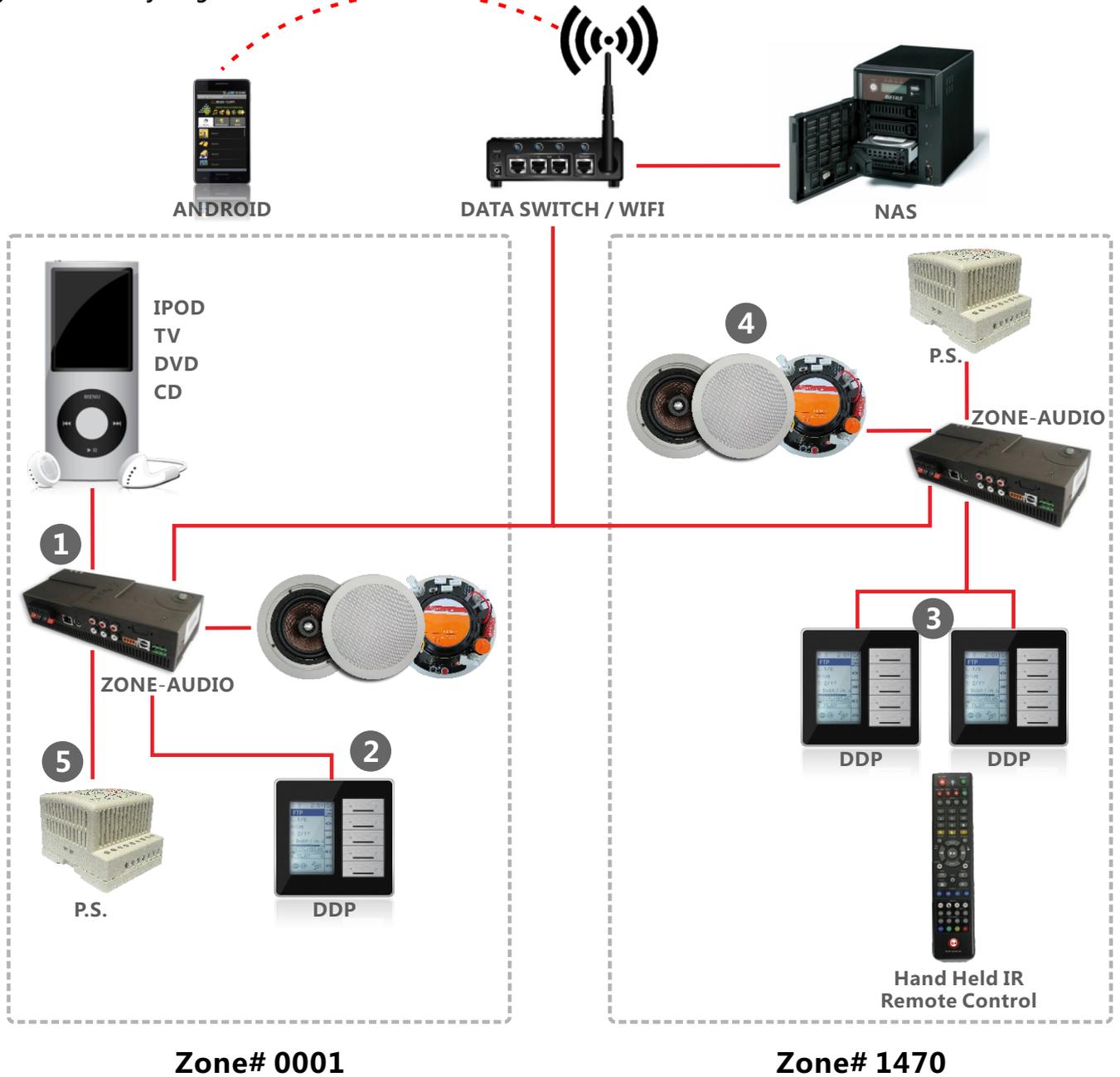
ANDROID

DATA SWITCH / WIFI

NAS

IPOD
TV
DVD
CD

P.S.

ZONE-AUDIO

ZONE-AUDIO

DDP

DDP

DDP

P.S.

Hand Held IR
Remote Control

Zone# 0001

Zone# 1470

Special Parts List

1.Zone Audio Source Drive with SD card and simple Power Supply: SB-Z-AUDIO2
2.DDP SB-DDP-EU (Select and Display: Source, Song, Track, Duration, Genera, Album, Volume Level)
3.Hand Held remote: SB-HHR
4.Resound Ceiling Speakers: RS-C65P

Zone-Audio Diagram
Application ideas

Residential Examples(B)Continued.
Using Z-Audio as Digital Distributed Multi-Zone Audio System:
Continued ...

Residential And Features

Using Z-Audio Adds many features to Every Zone selectively at a Very Affordable Prices
1– Ability to Play From SD card Storage Directly
2– Ability to stream Audio from Network Accessible Storage HDD
3– Ability to Stream Audio form PC's and Other LAN Connected Devices
4– Ability To Play FM Radio From Z-Audio Embedded Tuner **
5– Ability to Connect Auxiliary Source like Ipod, TV, DVD, CD, Etc. and Z-Audio Act as Analogue switch
6– Ability to Send Text Message from Network Connected PC & Z-Audio TTS Card** shall Read it out.
7– Ability To Send SMS Message from Mobile Remotely Then Z-Audio TTS Card ** Shall Read it out
8– Ability To Control Source, Volume, Track ++ remotely Using IR Hand held remote Control

---

FM ANTENNA   **IPOD   DVD   CD   TV**   **NAS**   **DATA SWITCH / WIFI**   **Hand held Android Phone or Pad**

8
IR Emitter With Current Sensor

7
4-Z DRY INPUT

PA From Phone System

Z-AUDIO

PANIC

Hand Held IR Remote Control   **9**   **DDP**   **LOGIC**   **SMS**
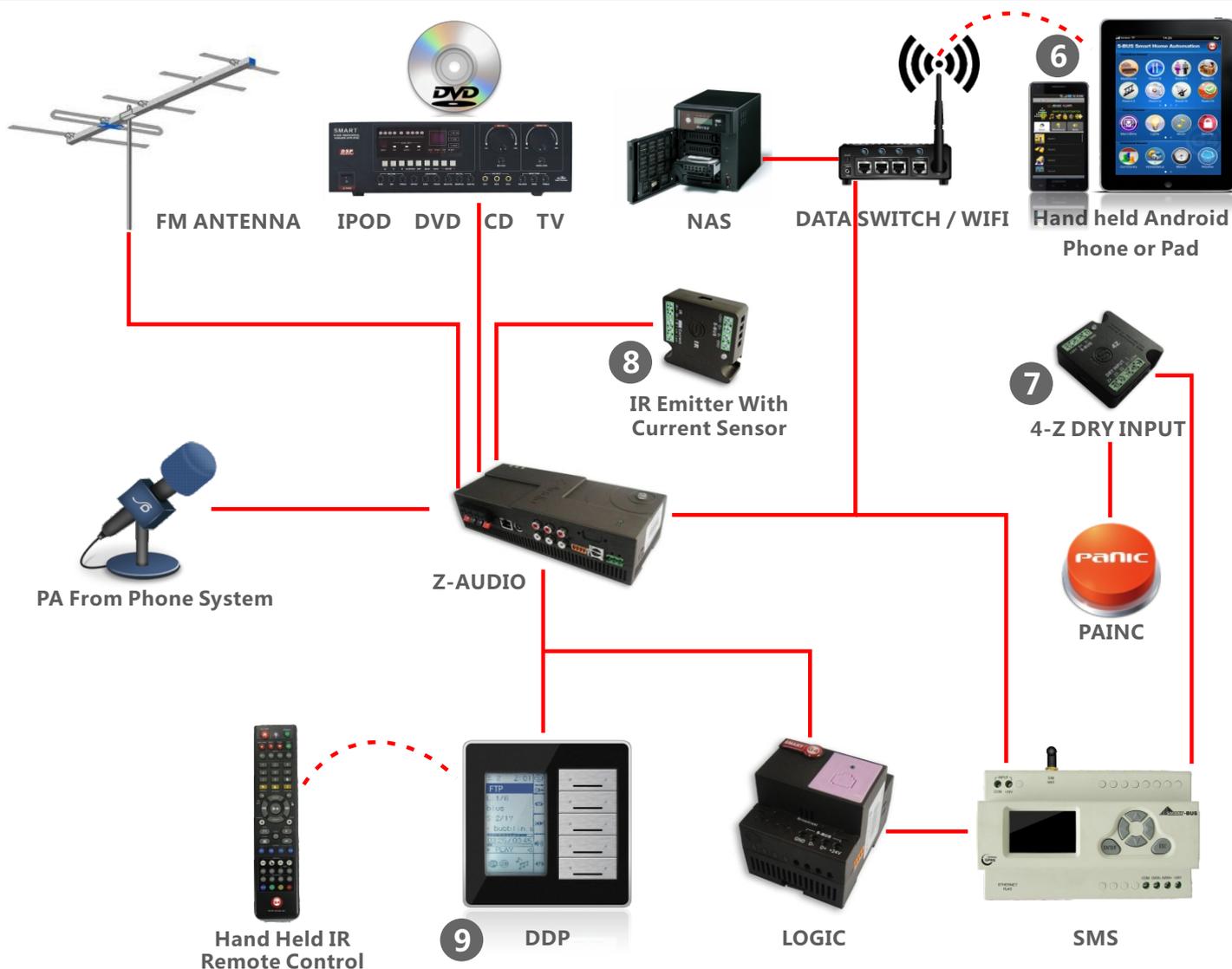
Zone-Audio Diagram
Application ideas

How To Make Simple Islamic Automatic Athan?

Residential Examples(B)Continued.

Using Z-Audio2 For Islamic Prayer Announcement:

All you Need is to Have is

1:Remote controlled DVD/CD Player (A Recorded Fajr Athan on Track 1, & Second Athan on Track 2)

2:Infra-Red Emitter with Current Sensor

3:Z-Audio with Logic Control

Steps Of Implementation

S-Logic Is Ready with Thousands of World Cities and Has The Prayer calculations according to Longitude and latitude astrological calculations Built in the system ready for 99 years to come. Steps To Do:

1– Connect System to Mosque PA System as Per the Diagram Below

2– Program the IR Codes of CD Player for On/Off, Track 1 Selection, Track 2 Selection, Play, Stop

3– Time the Period Needed to ON the CD Player, Choose track, Load it, and Play it till its End

4– Make 2Flags In The Program of the Logic Module One for Each Prayer Announcement Type

5– Using The Ready Athan Section in S-BUS Logic Module, Link Flags to corresponding Prayer Type.

6– At Time of Prayer, corresponding Flag start, At End of Flag Power Off system till next Prayer Time

((Simply: Prayer Time = On System, Play Track, Off System))

CD With Islamic Athans

3

IR Emitter With Current Sensor

1

Z-AUDIO

2

LOGIC

SPEAKER

APPLIFIRE

MICROPHONE
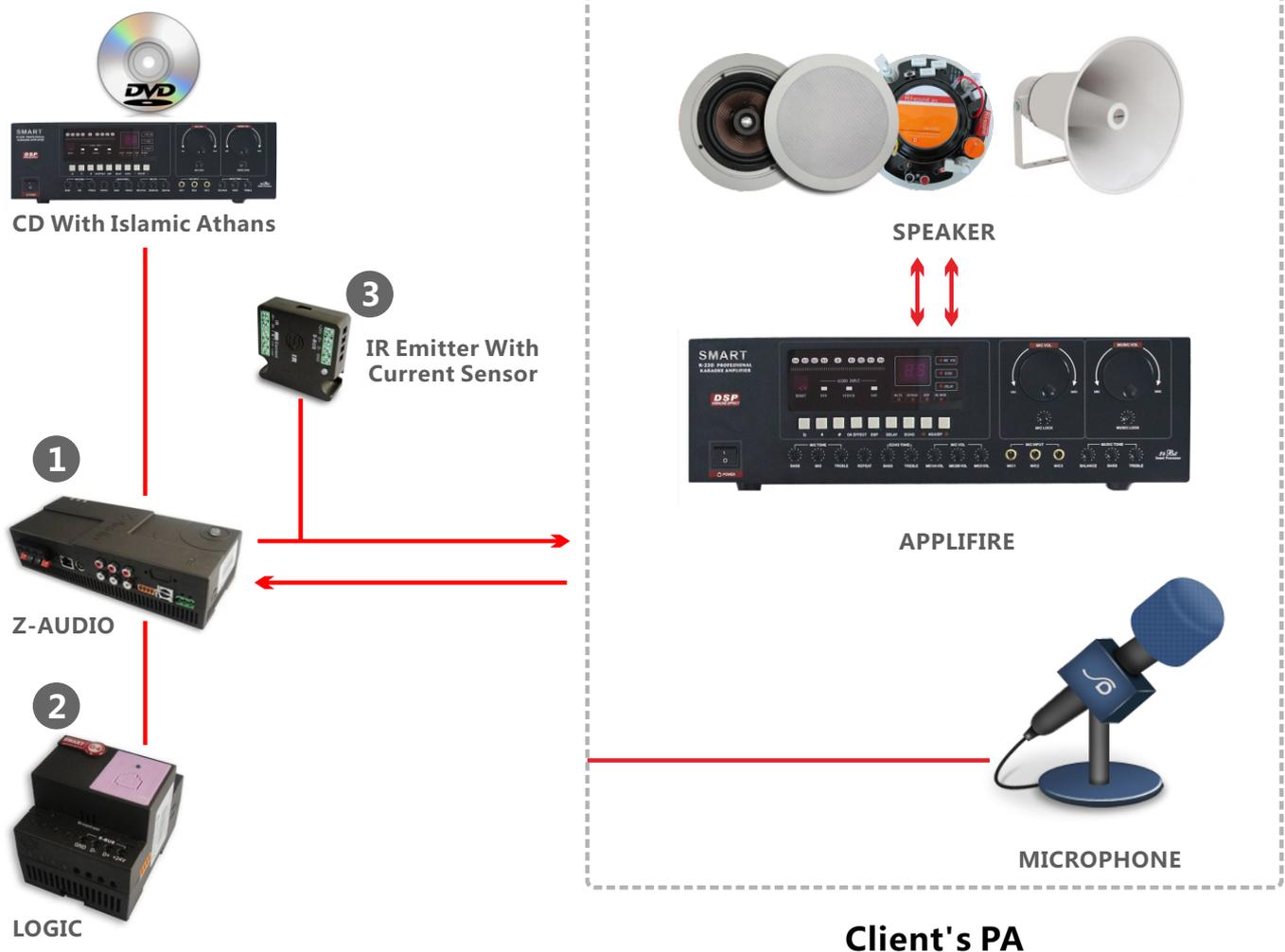
Client's PA

Ingredients: 1 Z-Audio, 1 IR Emitter, 1 Logic Module, 1 Power Supply, 1 CD Player and Athan CD (Client PA)

Zone-Audio Diagram
Application ideas

How To Make Simple Religious Prayers play Automatic?

Using Z-Audio For Religious Prayer Announcement:

All you Need is to Have is

1:Remote controlled DVD/CD Player (A Recorded CD with Different Prayer and Greetings Tracks)

2: Infra-Red Emitter with Current Sensor

3: Z-Audio with Logic Control

Steps Of Implementation

S-Logic Control Is Ready Hundreds Of Timers and Flags that can be programmed according to Day Mornings, Weekends, Dewali, Christmas, New Year, Birthdays + Grandfather Greeting. Steps To Do:

1– Connect System to Your PA System as Per the Diagram Below

2– Program the IR Codes of CD Player for On/Off, Track # Selection, Play, Stop

3– Time the Period Needed to ON the CD Player, Choose track#, Load it, and Play it till its End

4– Make All Flags In The Program of the Logic Module One for Each Prayer Announcement Type

5– Program The Timers according to Day Type and Implement Flags.

6– At Time of Prayer, corresponding Flag start, At End of Flag Power Off system till next Prayer Time

((Simply: Prayer Time = On System, Play Track, Off System))

CD With Islamic Athans

3

IR Emitter With Current Sensor

1

Z-AUDIO

2

LOGIC

SPEAKER

AMPLIFIER

MICROPHONE
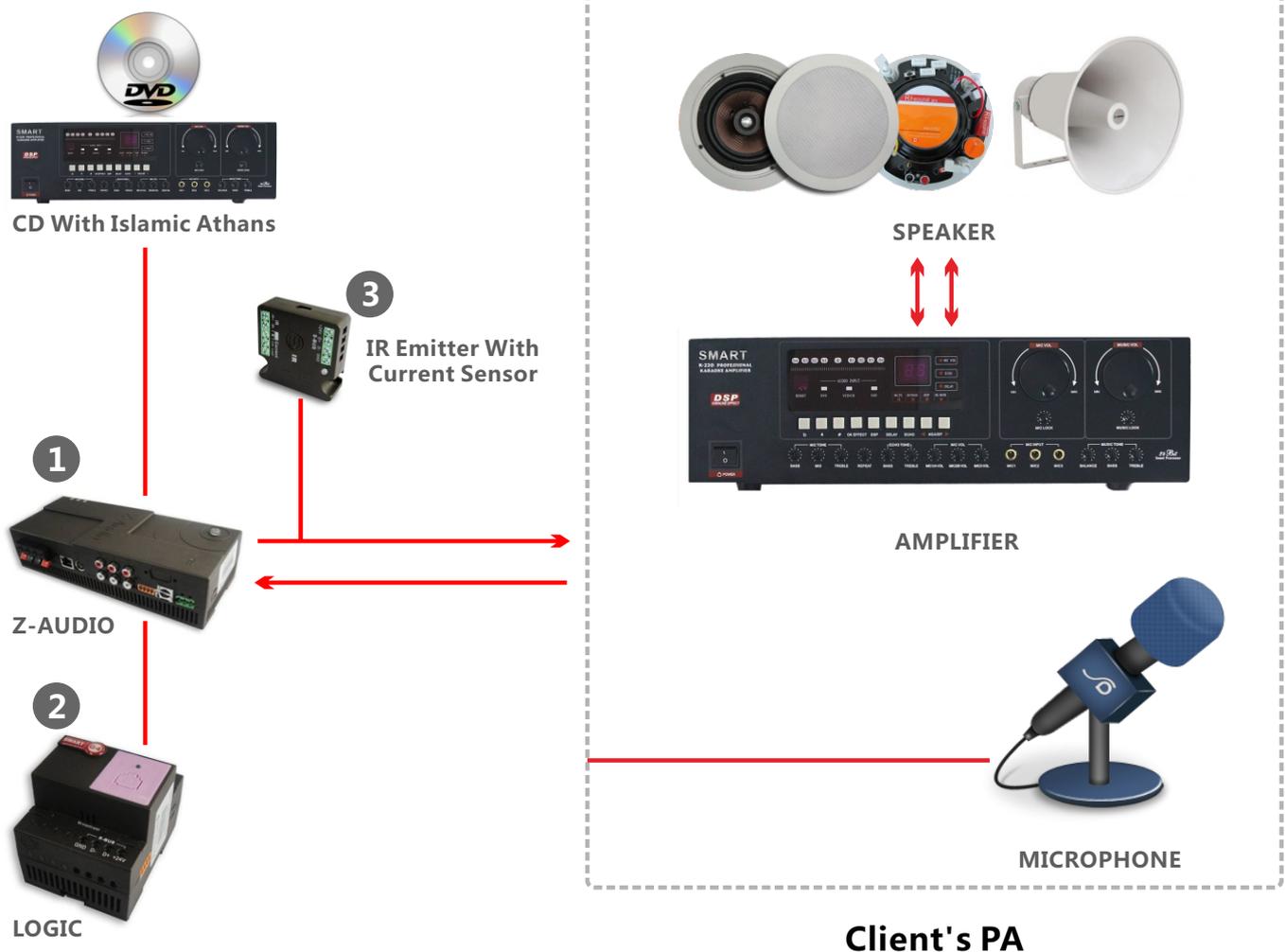
Client's PA

Ingredients: 1 Z-Audio, 1 IR Emitter, 1 Logic Module, 1 Power Supply, 1 CD Player and Prayers CD (Client PA)

Zone-Audio Diagram
Application ideas

Where Can I Install Z-Audio?

We have Many Suggestions but the rest belong to your Creativity

Z-Audio Is Designed To be installed In Visible, Hidden, Stand Alone or Networked. Some of The Places:

A) Above Ceiling Next To the Speaker Using Speaker Opening as the Access Panel

B) Next To or behind Television Set or in the same cabinet of Media Players

C) Centrally In The Control Room

D) In The Zone DB as Per the Innovative S-BUS Green Building Wiring Economic Method

(A)Above The Ceiling: Economical,Fast,Space Saving,Simple

(B)Near To The TV: Cable Saver,Convenient,Flexible,Simple

Zone-Audio Diagram
Application ideas

Where Can I Install Z-Audio?

We have Many Suggestions but the rest belong to your Creativity

Z-Audio Is Designed To be installed In Visible, Hidden, Stand Alone or Networked. Some of The Places:

A) Above Ceiling Next To the Speaker Using Speaker Opening as the Access Panel

B) Next To or behind Television Set or in the same cabinet of Media Players

C) Centrally In The Control Room

D) In The Zone DB as Per the Innovative S-BUS Green Building Wiring Economic Method

(C)Centrally At Control Room

Hall

Control

Hall
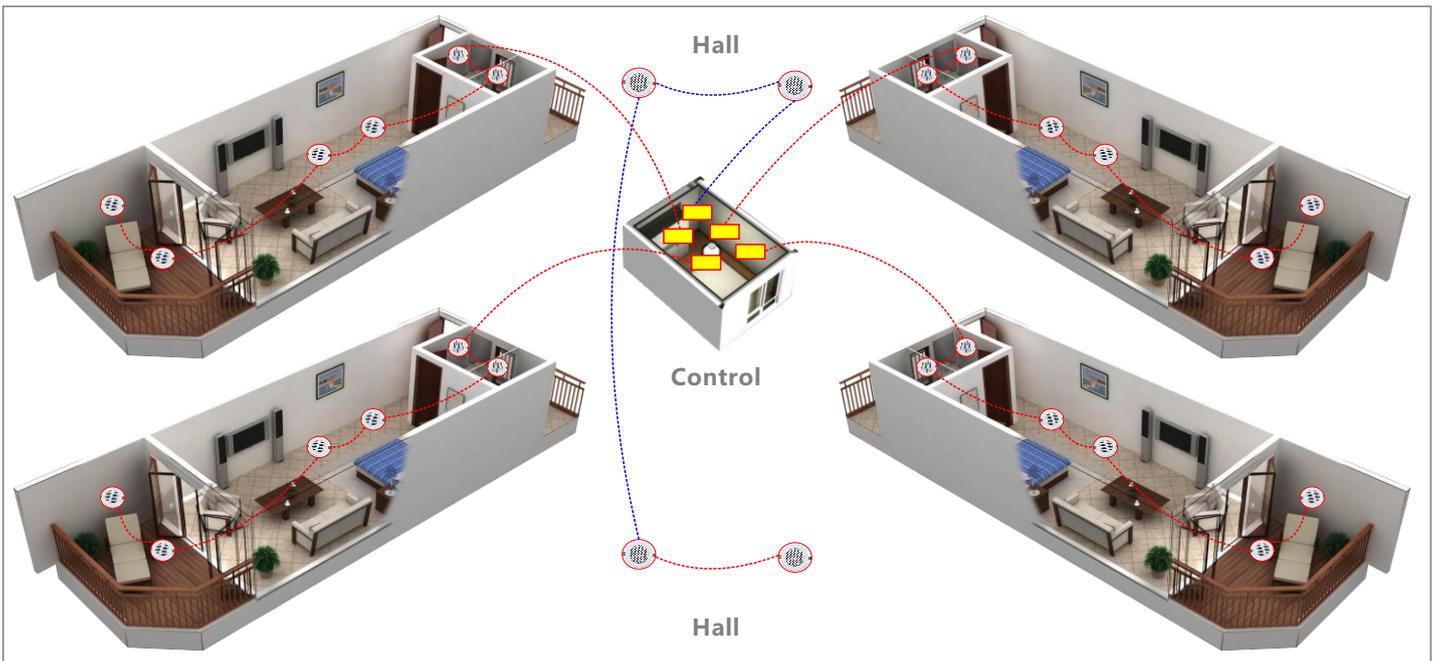
(D)At Zone Control DB

Hall

Control

Hall
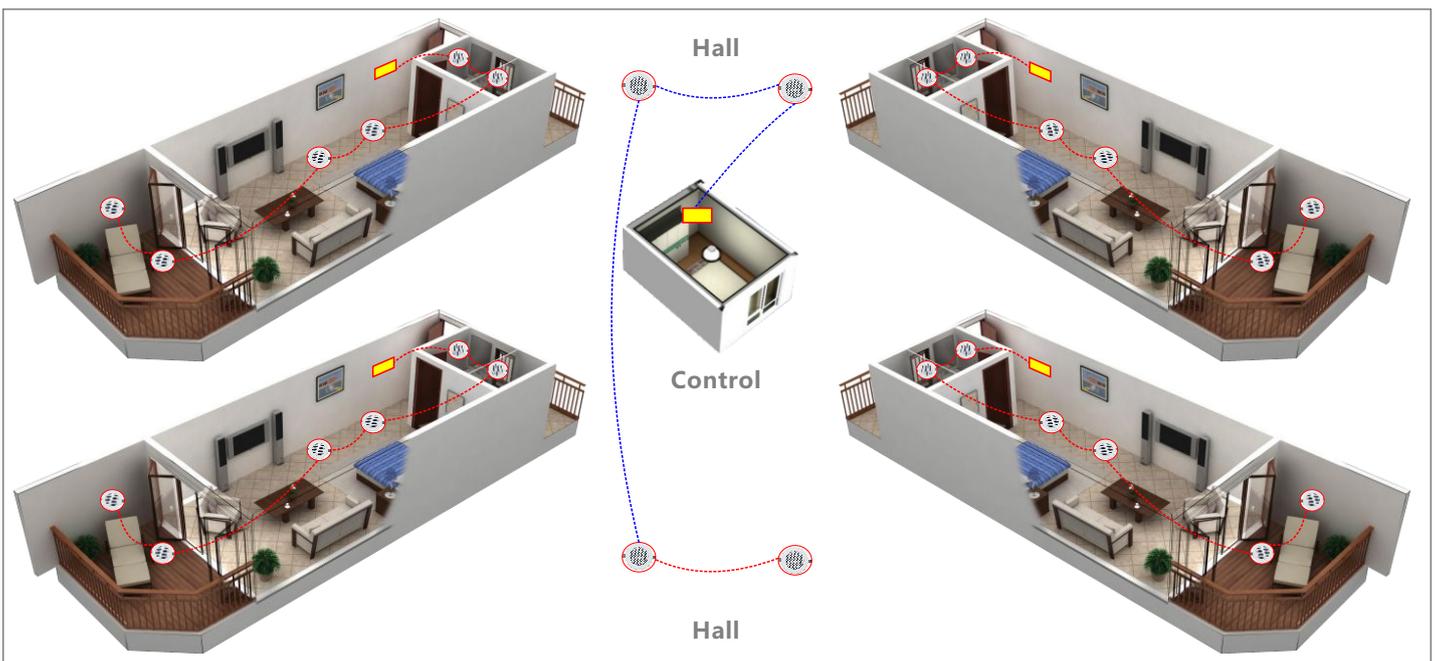
Zone-Audio Diagram
Application ideas

How To Connect?

Terminating and Controlling the Zone-Audio2 Units is How to Connect:
A) Hard Connects: (LAN (RJ 45), Audio in (RCA), PA (RCA)l, Power Supply Screw In Terminal & Jack,
FM Radio Antenna (RF Jack), Balanced Audio Out (RCA), SBUS (Screw terminal)
B) Soft Connects: (PC, DDP, ANDROID, I phone, I pad, SMS)

Speakers   Speakers

Speakers

FM ANTENNA

PRE-AMP

Z-AUDIO

DVD/AVR

PA System

DATA SWITCH / WIFI

NAS

PC   IPHONE & IPAD
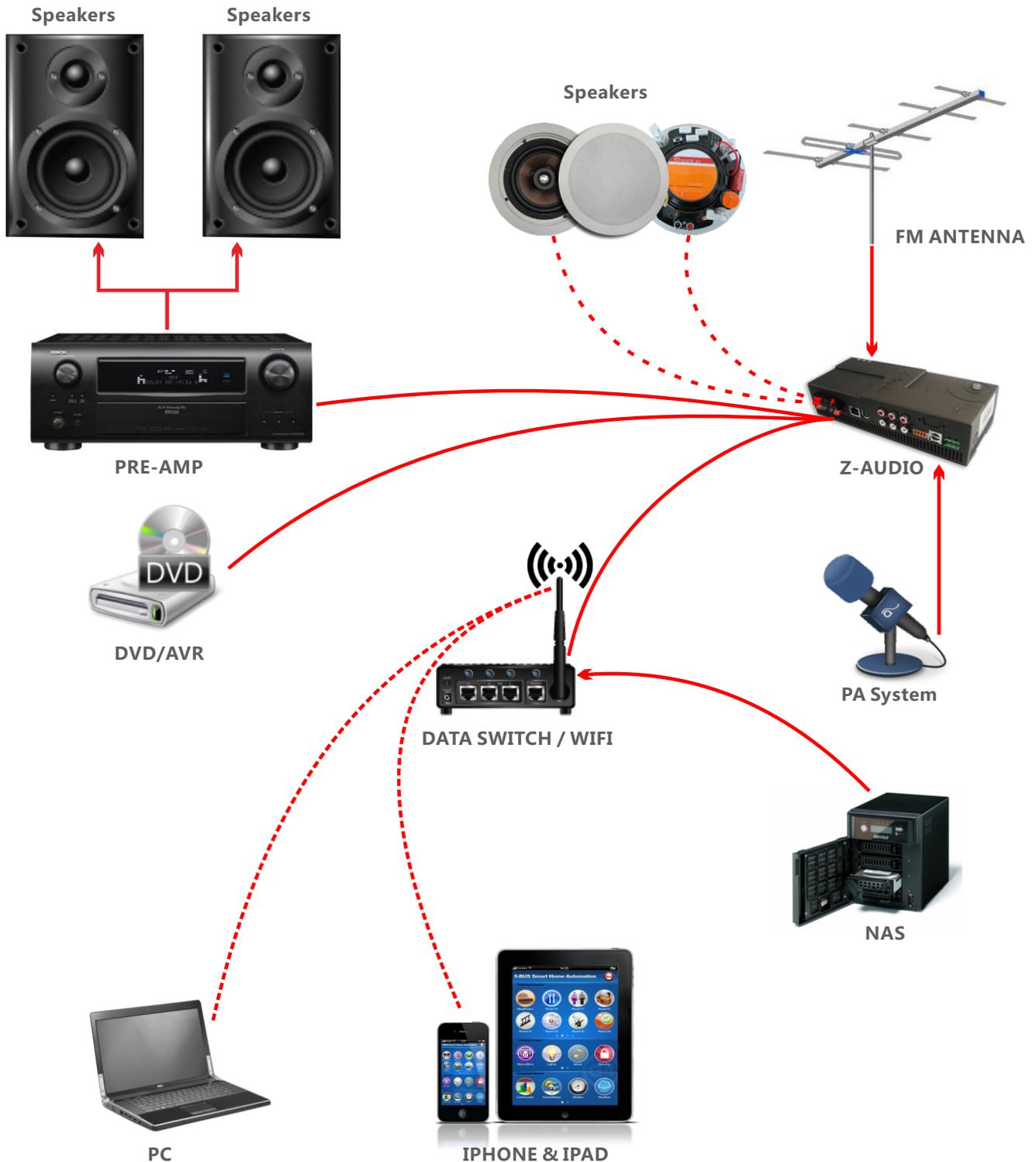
Z-Audio Diagram
BUS Connection

SPEAKERS

ZONE-AUDIO 1

DISPLAY
PANEL 1

SPEAKERS

ZONE-AUDIO 2

DISPLAY
PANEL 2

SPEAKERS

ZONE-AUDIO 3

DISPLAY
PANEL 3
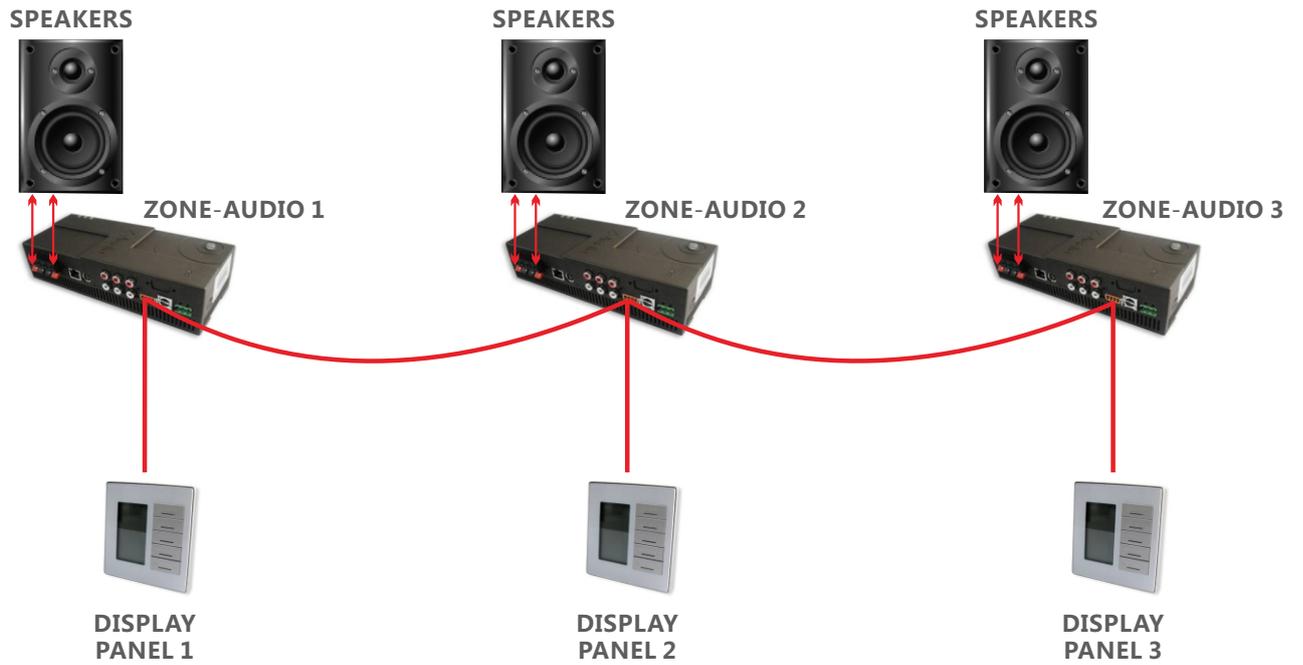
Z-Audio Diagram

CABLES	
——	**LAN**
——	**S-BUS**
——	**A/V**

IPOD
TV
DVD
CD

FM ANTENNA

SPEAKER

SOURCE OUT

PA IN

Z-AUDIO

AMPLIFIER

LOGIC

DDP

MICROPHONE
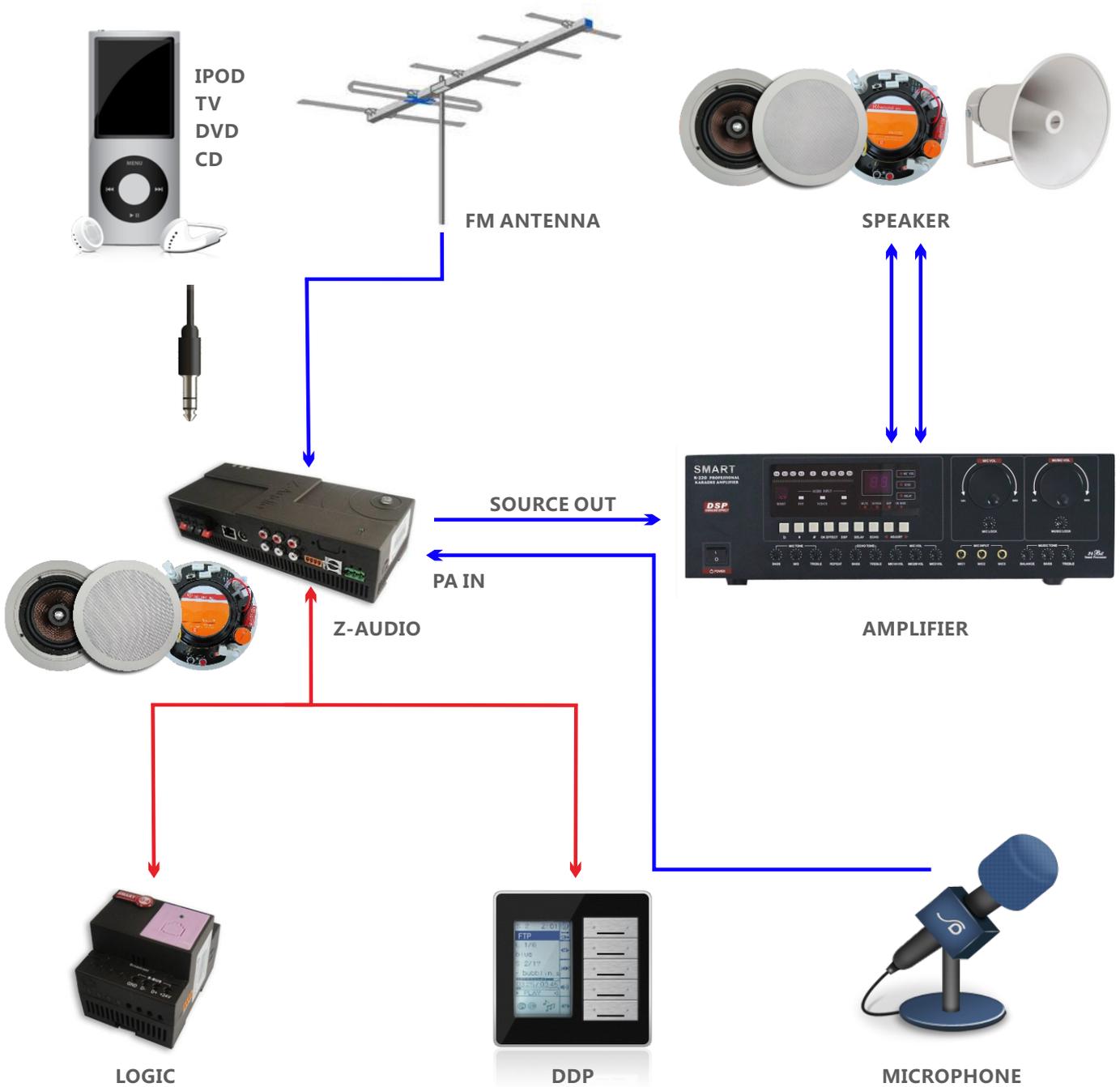
Play List Management Controller

FTP SERVER

ROUTER

SPEAKERS   **SPEAKERS**   **SPEAKERS**

ZONE-AUDIO   **ZONE-AUDIO**   **ZONE-AUDIO**
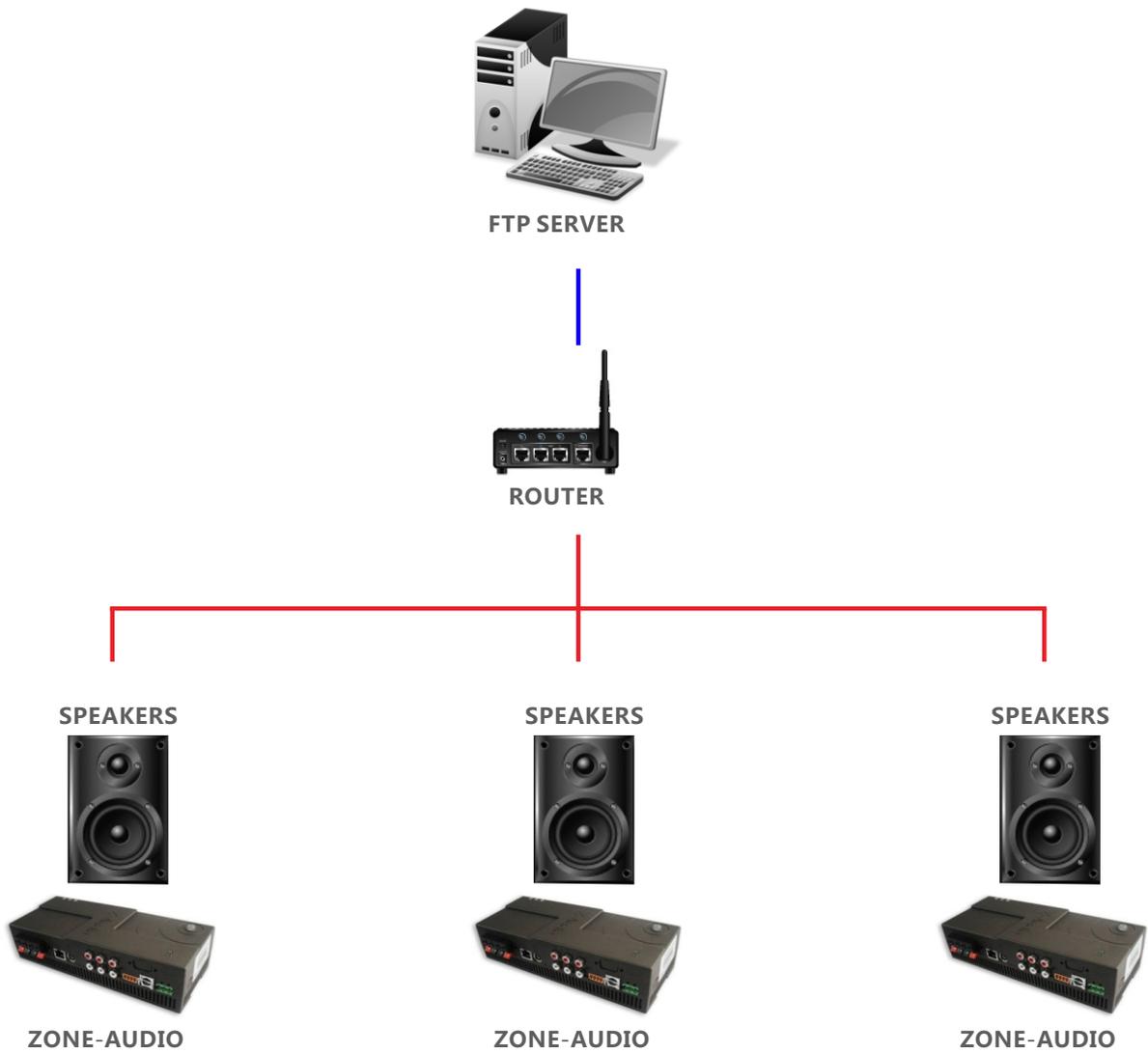
Media & IR Control Using IR-Macro S-Bus
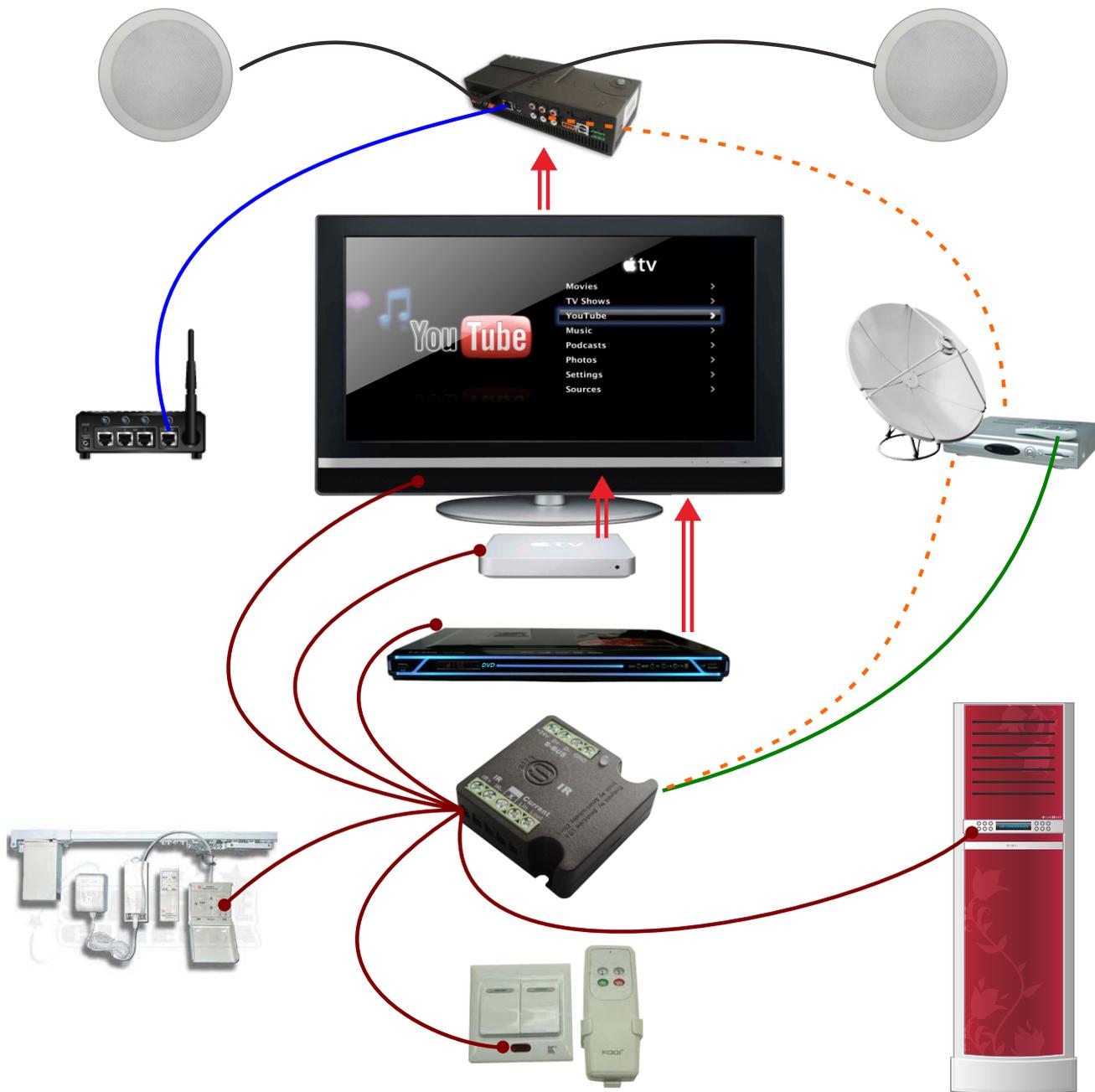
Audio Control:
Source: TV, Aux, SD, FTP,
FM Radio, Sat Radio, AV
receiver

Media Source Control:
Antenna RF
Set Top Composite AV
Apple TV HDMI1
DVD HDMI2
VGA

Macros, Each 50 IR Codes with Delay

1. Welcome	+Curtain Control
2. Watch TV	+AC temp/fan Control
3. Watch Movie	+Lights Control
4. Watch DVD	+ DVD control
5. Listen to Music	+TV Control
6. Listen To radio	+Set Top Box Control
7. Relax	+Channel Grouping
8. Close All media	+Apple TV Control
9. Goodbye	
10. Other	

Standard Design Icons for Home Automation System

KEY	KEY DESCRIPTION
⊗	Dimmer Channel
⊠	ON/OFF Channel
D	Dynamic Display Panel (DDP)
6B	6 Gang Wall Panel Switch
4B	4 Gang Wall Panel Switch
3B	3 Gang Wall Panel Switch
Mix	Mix Controller
F	FDP
B	Hotel door bell panel with service
Bx	Hotel door access bell panel with service
R	Hotel card Holder with Service
BST	Hotel bedside or table side simplified panel
M	Magnetic Contact Door/Window
↗	PIR
↗	5 in 1 sensor

KEY	KEY DESCRIPTION
↖	6 in 1 sensor
↗	9 in 1 sensor
S/F	Siren Flasher
⧓	Projector Lift
T.S	Touch Screen
WA	Water Leak Sensor/Drip Tray
∿∿∿	Motorized Curtain /Drape Control Point
·········	Projector Screen
⌷	Plasma lift
⌷	Plasma lift (Rotator)
⊕	Indoor CCTV Camera
△	Outdoor CCTV Camera
TV	Television
MTV	Mirror TV
BTV	Bath TV

KEY	KEY DESCRIPTION
▪▪▪▪	Mirror Defogger
DT	Data Point
◢	DB
L	Door Lock
T	Telephone Point
F.H	Floor Heating
AC	HVAC
═══	Electro Tinted Glass
O	Local Source Input
Z	Zone Audio
SA	Wall Art Speaker
SA	Ceiling Speaker with Zone Number
S	Wall Speaker with Zone Number
S	Garden Speaker with Zone Number
XSk	Access reader/ Keyless Entry

√ SMARTHOME DESIGN

# Design Example
Home Automation (Smart Home)

In this example the Designer has implemented Lighting and Dimming (mood Lighting and scenes), Security and Burglar alarm, Door Access and Entry system, Occupancy and Energy Saving, Multimedia Control (TV, DVD, Climate control (AC and floor heating), Music and distributed Multi-Zne audio, Motorized Shades, Touch screens, and all needed wall panels and switches

Product	Qty
Bx	1
D	3
3B	2
➷	2
➹	6
M	4
〰	6
☀	6
AC	3
Sᴀ	8
Z	2
T.S	1
S/F	1
L	1
◿	1
⊗	2
⊠	1
Total Estimated Cost **USD 7,000**	

Design Example
Office Automation (Smart Office)

In this example the Designer has implemented Lighting and Dimming (mood Lighting and scenes), CCTV Security and Burglar alarm, Door Access and Entry system, Occupancy and Energy Saving, Multimedia Control (TV, DVD), Climate control(AC and floor heating), Music and distributed Multi-Zone audio, Electro tented Glass control, Motorized Screens, Plasma and Projector Lifts, and all needed wall panels and switches

Product	Qty
D	4
3B	3
↗	2
↗	8
M	1
💡	3
AC	4
SA	6
Z	3
T.S	1
S/F	1
L	1
▱	1
🎵	2
⧓	1
▭	1
⊗	1
✕	1
Total Estimated Cost **USD 12,000**	

Design Example
Hotel Room

In this example the Designer has implemented Lighting and Dimming (mood Lighting and scenes), Security Alert, Door Access and Entry system, Occupancy and Energy Saving,Multimedia Control (TV, DVD), Climate control, Music audio,Motorized Shades, Electro tinted Glass, Service request, bedside controllers, and all needed wall panels and switches
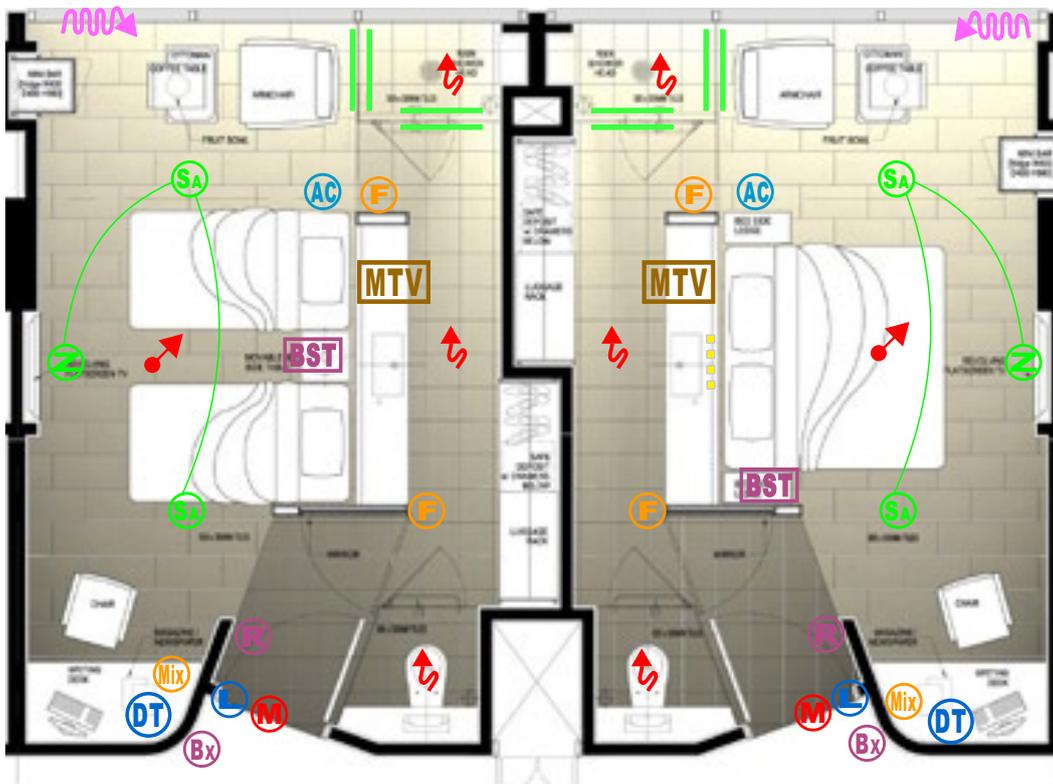
Product	Qty
Bx	1
L	1
F	2
BST	1
R	1
↗ (dot)	1
↗	2
M	1
∿	1
SA	1
MTV	1
▪▪▪▪	1
Mix	1
Total Estimated Cost **USD 2,000**	

Design Example
Gulf Yacht
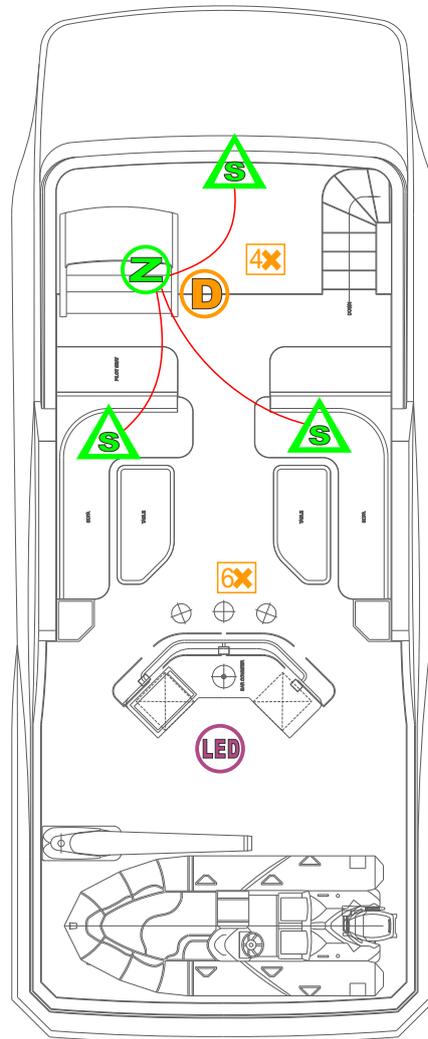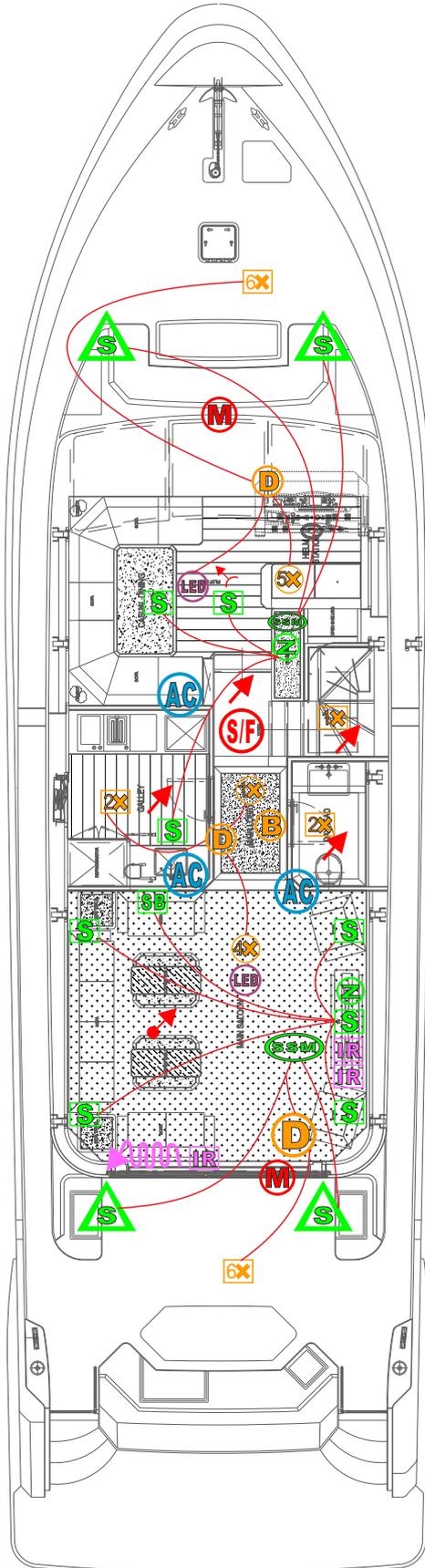
Product	⤙	⤴	↗	S/F	M	D	4✖	6✖	4✖	1✖	5✖
Qty	1	1	4	1	2	3	1	1	1	1	1

Product	LED	∿	IR	Z	S	S	SB	SSM	AC	Total Estimated Cost
Qty	2	1	3	3	7	8	1	2	3	**USD *,***

3D Home Cut Walls with Systems Inside

Example 1

	Access Reader	XS		
	Magnetic Contact Door/Window	M		
	Dynamic Display Panel (DDP)	D		
	6 Button	6B		3 Button	3B
	ON/OFF Channel	X		Dimmer Channel	X
	Zone Audio	Z		Wall Art Speaker	SA
	Air-Condition(AC)	AC		9 in 1	
	Motorized Curtain Drape Control Point			Siren Flasher	S/F
	Touch Screen	T.S		DB	

Example 2

SMARTHOME
GROUP

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

G4

DDP
DYNAMIC DISPLAY PANEL

YOU CAN
choose more interface

Smart-Bus Dynamic Display Panel DDP EU with LCD - SB-DDP-EU
GTIN (UPC-EAN): 0610696254030

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

Details Zoom On Panel:

High-Grade Aluminum Body
Thermostat

Slim Body

Easy Mount Lock frame

Easy Connectors

IR Connector
S-Bus Connector

Magnetic Clutching

D1
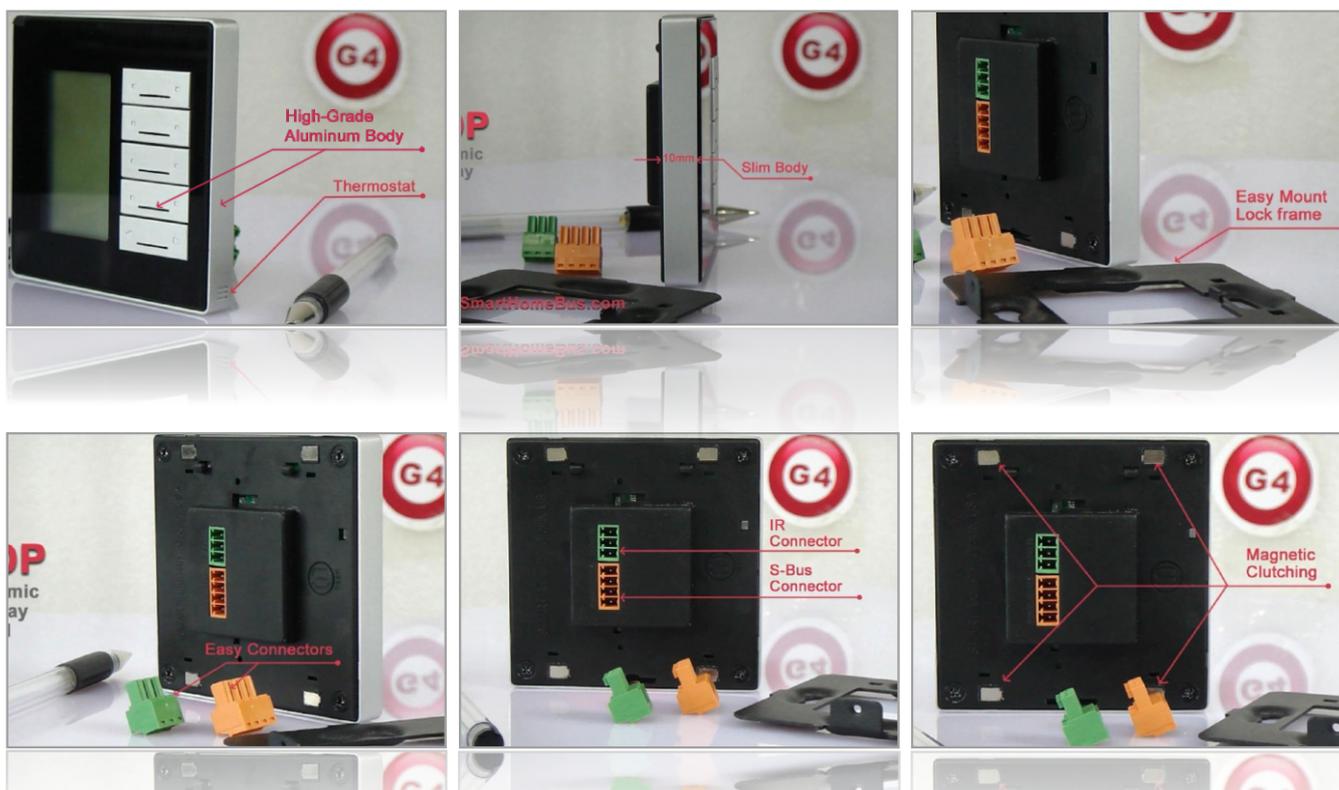
Fruit basket

• Strawberry

• Orange

•Pear

• Berry

• Lemon

• Cherry

• Black Glass

• White Glass

• Stainless Steel

• Golden Steel

• Snake Skin

• White Marble

• Silvery Grey Line
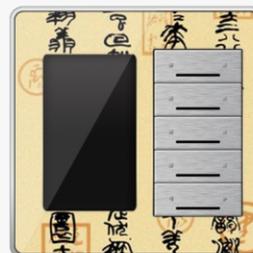
• Chinese Paper

• Western Flower

• Gray Ocean

• German Wood

• Chinese Bronze

More Colors...

G4 In Home Automation Application

↓Music

↓Lighting+ Moods
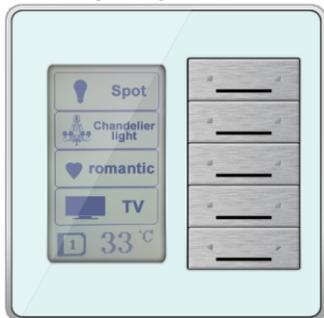
↓Security
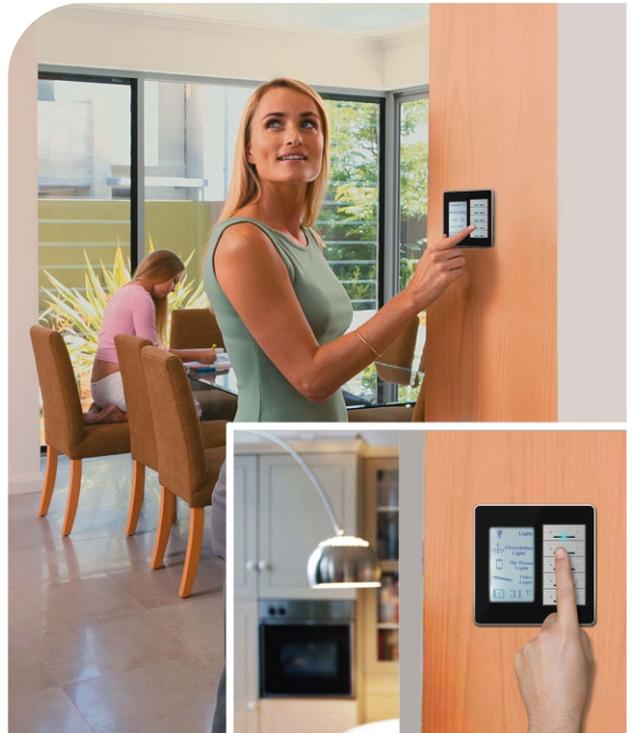
Pictures Of Installed Examples
G4 In Office Automation Application

↓Presentation Moods
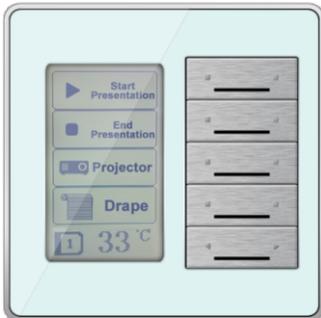
↓HVAC
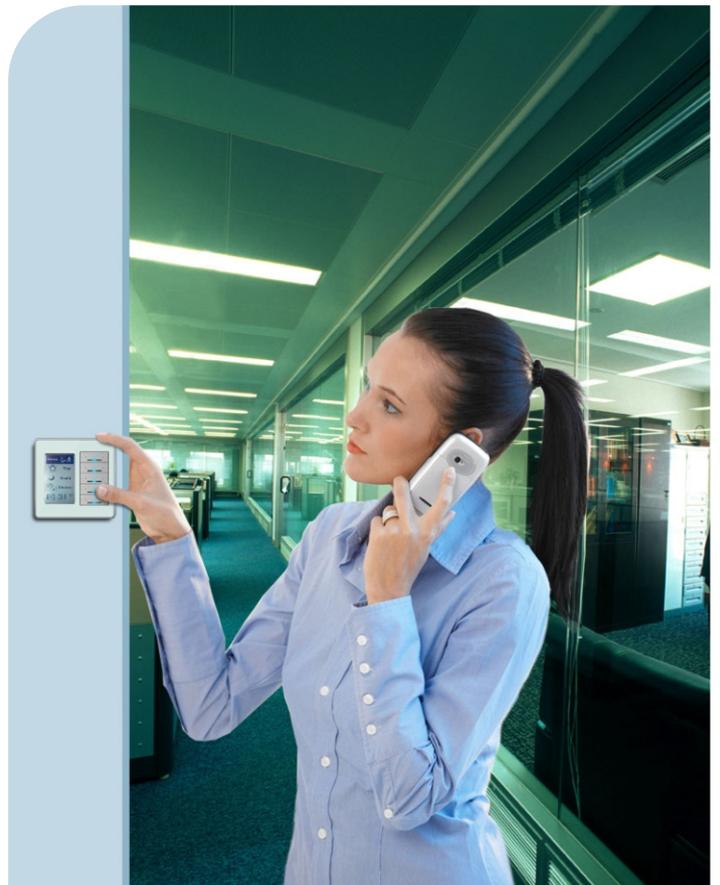
Pictures Of Installed Examples
G4 In Smart Hotel GRMS Application

↓Hotel DDP Menu

Lights
Temp
Service
Drape
1   33 °C

↓Hotel Service

DND
Clean
Laundry
Maint.
Menu
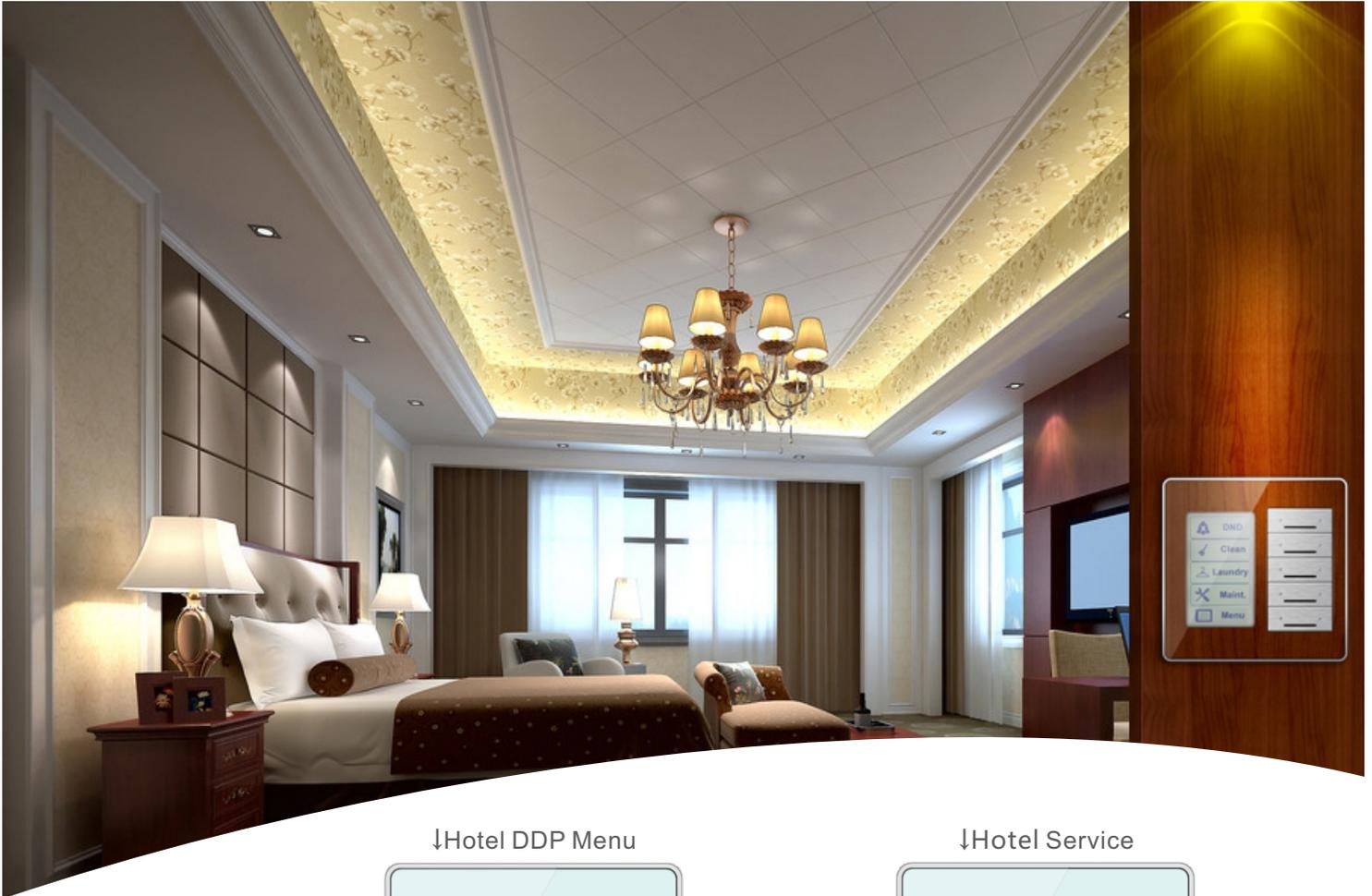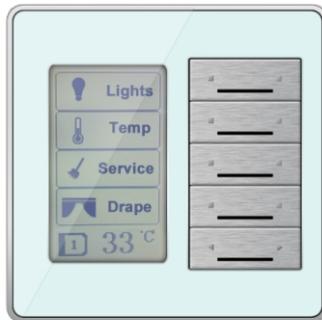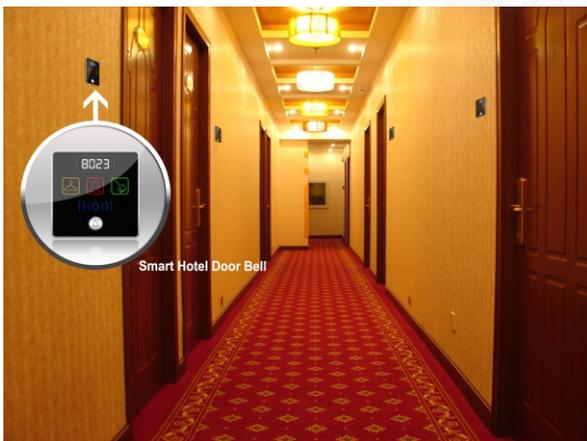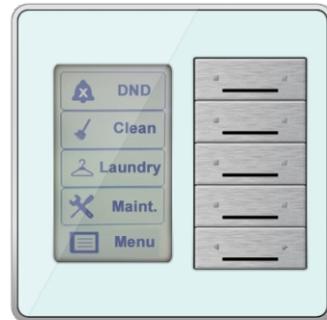
Smart Hotel Door Bell

Smart Hotel Card Holder

Smart Hotel Bedside Panel

Smart Fixed Display Panel (FDP) - SB-FDP-EU
GTIN (UPC-EAN): 0610696254252

is a wall switch Panel with Easy Print and Slide Labeling Functionality. Built in IR Receiver Plug in Port, (Each Button Enables a different function by pressing left or right), Back lit LED, Double click Macro Function, manual Programming Enabled.

0 610696 254252

Smart-Bus 6 Button Switch Wall Panel - SB-6BS-EU
GTIN (UPC-EAN): 0610696254269

0 610696 254269

Smart-Bus 4 Button Switch Wall Panel - SB-4BS-EU
GTIN (UPC-EAN): 0610696254276

0 610696 254276

Smart-Bus 3 Button Switch Wall Panel - SB-3BS-EU
GTIN (UPC-EAN):0610696254283

0 610696 254283

with LED Plug Port, Back lighting, and Engraving, Auto Lock Option function, IR Remote Control Enabled, Toggle, Dim, and double click macro function manual Programming Enabled.

YOU CAN
choose more interface

Smart Color Dynamic Panel (CDP) Touch Universal Module - SB-CDP-T
GTIN (UPC-EAN): 0610696254894

Smart Color Dynamic Panel (CDP) Touch Universal Module is a wall switch Panel with Color Display and Multi functions, Back Lit Touch Menue and Buttons, Built in IR Receiver Plug in Port, Thermal Sensor Couple 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 Touch, LCD Brightness control), AC Page Lock Function, Double click Macro Function, Manual Programming Enabled.
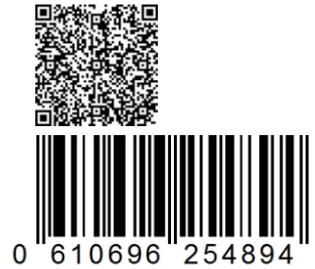
0 610696 254894

Smart Color Dynamic Panel (CDP) Touch with JOG, Universal Module - SB-CDP-J
GTIN (UPC-EAN): 0610696254900

Smart Color Dynamic Panel (CDP) Touch with JOG, Universal Module is a wall switch Panel with Color Display and Multi functions JOG, Back Lit Touch Menue, Built in IR Receiver Plug in Port, Thermal Sensor Couple 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 Touch, LCD Brightness control), AC Page Lock Function, Double click Macro Function, Manual Programming Enabled.

0 610696 254900

Smart Fixed Display Panel (FDP8) Touch Universal Module - SB-FDP8-T
GTIN (UPC-EAN): 0610696254917

Smart Fixed Display Panel (FDP8) Touch Universal Module is a wall Module that ACT as switch Panel with Easy Print and Slide Colored Labeling Functionality. Built in IR Receiver Plug in Port, (Each Button has right and left different function, Back let LED Touch Buttons, Built in Proximity Motion Sensor Trigger, Double click Macro Function, Manual Programming Enabled.

0 610696 254917

Mount and Cover for Universal Module - SB-UPM-EU
GTIN (UPC-EAN): 0610696254924

Sframe Surround, with Mags and Cober Plate To Fit Country Back Box requirements (US, UK, Italy, Australia, South Africa,& Europe)
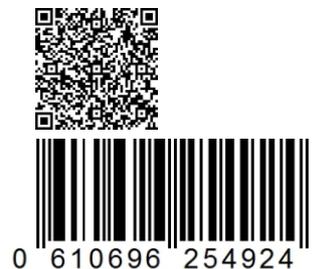
0 610696 254924

Apartment Door Access Bell Panel with Child
GTIN (UPC-EAN): 0610696254795

Mifare Proximity Card Reader, Flash Memory Download by USB to Secure software, Door Relay for Lock Control, Built in Logic Control Module (Time Clock), Back Lit, Bell Push, Functions: (Child DND indicator), Online update. Disable Bell Enable Light Flashing if DND/Child is active. Bus Enabled Network. Secure, Screw less Fixing Magnet Technology, Include 1Z for Door Magnet, No Need for Special Back box (Uses standard 3x3)

0 610696 254795

Door Access Reader/Controller Panel
GTIN (UPC-EAN): 0610696254801

Mifare Proximity Card Reader, Flash Memory Download by USB to Secure software, Door Relay for Lock Control, Built in Logic Control Module & Time Clock) Back Lit, Online update. Bus Enabled Network. Secure, Screw less Fixing Magnet Technology, Include 1Z for Door Magnet, No Need for Special Back box (Uses standard 3x3)

0 610696 254801

Custodial Service Requester
GTIN (UPC-EAN): 0610696254849

BUS Enabled. 3 Simplifed Service Request Illustrated LED Back let, Request for: Coffee/Tea, Snacks, Cold Drinks)

0 610696 254849

Bedroom Control Bedside Simple Touch Panel
GTIN (UPC-EAN): 0610696254344

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)

0 610696 254344

Meeting Board Room Control Touch Panel
GTIN (UPC-EAN): 0610696254832
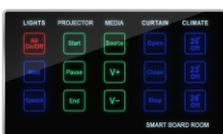
Modified 15 Backlet Capacitive Touch Areas, to control Various Board Room Needs like: Temperature: (Cool,Cold, Warm) Presentation: (Start , Pause, End), Lights:(All on/Off,Meeting, Speech) , Curtain:(Open, Close, Stop,Media: (Source, Volume up/DN)

0 610696 254832

Table Stand For Smart User Panels
GTIN (UPC-EAN): 0610696254818

Steel Sand Filled Panel with Rubber Slide Resistant base (For Good Surface Traction) to Mainly Enable Mounting the Bedside or Simplifier Board Room Touch Panel. Also Accept Any Smart Panel to become Table Top Mount.

0 610696 254818

iPad Doc
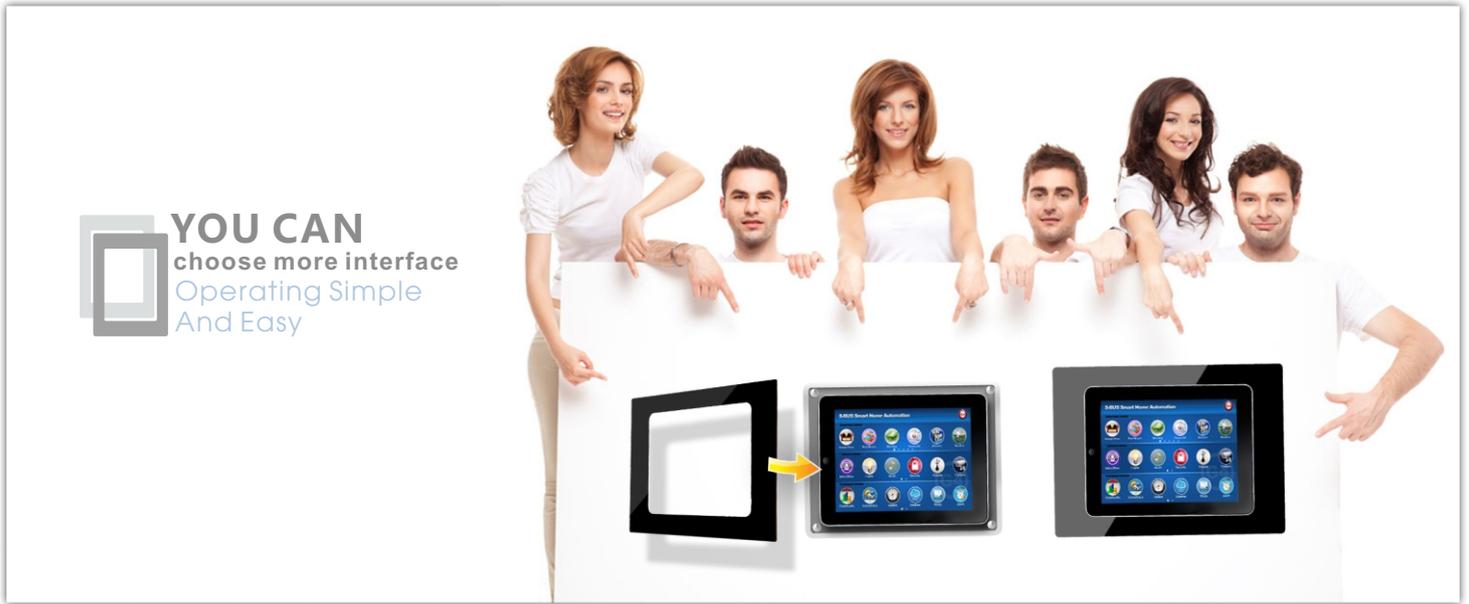
YOU CAN
choose more interface
Operating Simple
And Easy

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

White Electroplating
Horizontal Brushed Metal

Small Mat Metal
Font: Laser Engraving

polishing Bevel Edge

White Electroplating

D9

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

Climate Control

Smart-Bus HVAC2, Air Condition Control Module (G4) - SB-HVAC2-DN
GTIN (UPC-EAN): 0610696253767

Description:

DIN-Rail Mount Advanced Climate Control Module that installs near HAVC 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 which require energy savings, Health intelligent control such as residentialor commercial or industrial.

**Advanced: HVAC2 Can be Manually Programmed by any Electrician on site without the need for a PC.

0 610696 253767

Smart-Bus IR Emitter with Current Sensor (G4) - SB-IR-UN
GTIN (UPC-EAN): 0610696253774

Description:

Universal Infra-Red code Emitter with built in 2A current sensor and cyclic function. The innovative current sensor Idea checks if the electronicequipment is running or is turned off to prevent sending Power Toggling IR code for example.Each module Can save up to 255 IR codes then can be used for Home theater equipment, HVAC, Media systems in living rooms, Curtain controls, and several other devices.

**Added function: Bigger screw terminals, Broadcast button, and mini USB firmware upgrade port.

0 610696 253774

IR Emitter with Macro & Current Sensor (G4)
GTIN (UPC-EAN): 0610696254993

(Can Store up to 255 IR Codes), for HVAC, Media control (home Appliances). Built in 20 Macros Enabled, 25 IR Comand per Macro, Delay 100millisecond up to 10 Hours per Comand), 2 Dev Current range Smart Checker per Module. With Broadca Enabled, Button, and Bigger Wire screw terminals . With buil USB FW Upgrade

`0 610696 254993`

Smart-Bus Fan Speed Control Module (G4) - SB-6FAN5S-DN
GTIN (UPC-EAN): 0610696253781

Description:
DIN-Rail Mount Fan Speed Controller for Ceiling mounted fan Types. 6ch each is 2A. Each can handle up to 5 Fan Speeds status. (Green operated supplied by 24VAC/30mA) Small and elegant with easy labeling space, output status LED indicator, network health, broadcast address button and Momentary channel button. CCan be used in any location that requires energy saving, intelligent climate control such as apartments, Villas, Offices, Restaurants, **Can be Manually Programmed by any Electrician on site without the needfor a PC.

`0 610696 253781`

Smart-bus Micro Climate Sensor Mini Weather Station, Outdoor/indoor - Sb-thp-wl
GTIN (UPC-EAN): 0610696253798

Description:
(Temp, Humidity & Atmos. Pressure Sensor)
Addressable Zone/Room Air Temperature, Atmospheric Pressure & Relative Humidity Sensor/Reader

`0 610696 253798`

Smart-Bus Auxiliary Temperature Sensor Probe (5Pack)- SB-Temp1-UN
GTIN (UPC-EAN): 0610696253804

Description:
for HVAC2 if to work as Stand alone. Can Be connected to HVAC2 to get Auxiliary Temperature of Return or Supply Air Flow. This also Enable the HVAC2 to work as BMS software based without need for DDP Panel nor 9in1 Sensor Module

`0 610696 253804`

Smart-Bus 4T 4-Port Temperature Input Module - SB-4T-UN
GTIN (UPC-EAN): 0610696254603

Description:
Bus Enabled, 4-Ports Temperature input Module for Floor heating, Pool temperature, Saunas, and Other Applications. (Built in Intelligence Function) - Small size can fit into any back box. Built-in Broadcast function Enabled, Ready with Firmware USB Upgrade

`0 610696 254603`

Z-Audio
Zones-Audio

Smart-Bus Zone-Audio 2 (G4) - SB-Z-AUDIO2
GTIN (UPC-EAN): 0610696253811

Music distributed Zone Multiroom streaming Media Box with 2Channel Amplifier 50Watts, Manual Programming Enabled.. Built in FM Radio Tuner, 1 Local Source, 1 Central Paging Source with Voice Detect and Auto Source Announcement Changeover, LAN Port: TCP/IP & UDP,Antenna Port, 1 Balanced Audio output to Act as Source for Other Amplifier Systems, 1SD Card Port, Digital Base and Terrible Adjustment by DDP, Smart-BUS Enabled. Support Mp3 Streaming from FTP NAS or PC.. direct Link to iPhone and iPad Free app.

0 610696 253811

iPhone Screens for control of Z-Audio

Choose Zone

User Interface

Choose Zone
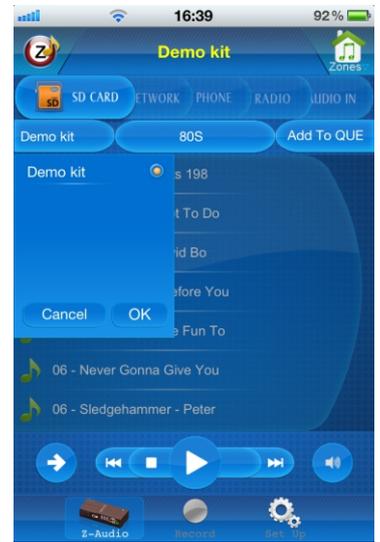
Choose Classify

Setup
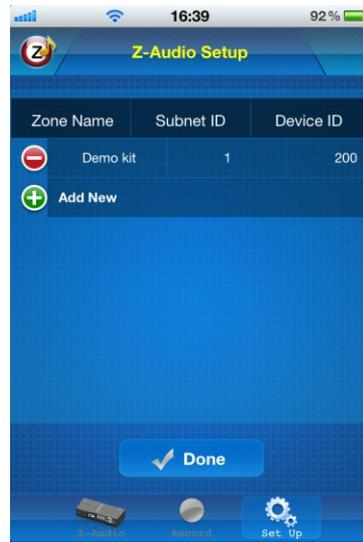
Record

IR Media Control

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

Smart-Bus E-Power Supply Dual Polarity
GTIN (UPC-EAN): 0610696254405

+ve/-ve/+ve 24VDC with Direct Plugin Jack for Z-Audio2
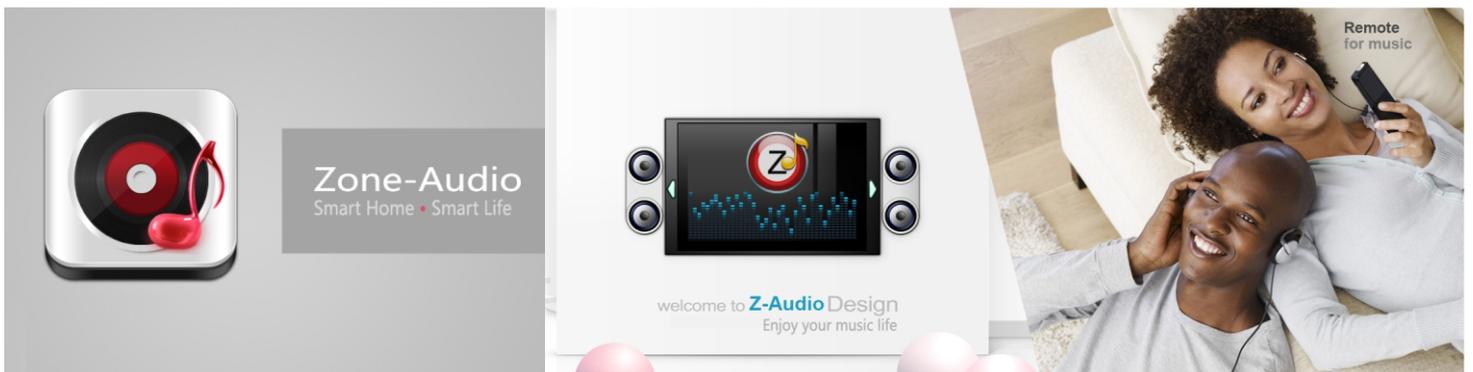
0 610696 254405

BMS Parts
building management system Parts

Pump Control and Monitoring Module
GTIN (UPC-EAN): 0610696253958

in rail Mount, Fully Bus Enabled 5 Status Dry inputs (Trip, Run, Off, Auto, Manual), Logic, 2 Output Relays 20A, for (Run, Auto)

0 610696 253958

Super Mini I/O
GTIN (UPC-EAN): 0610696253972

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

0 610696 253972

S-BUS Enabled Energy Global Genset
GTIN (UPC-EAN): 0610696254290

Diesel Engine Monitoring Gensen, To monitor and Trigger or dissable Ingition, RPM, Tank, Temp, Power Metering and other. Both RS-232 and IP Enabled with Http. CAN BUS Ready

0 610696 254290

Resound Art Speakers
Enjoy music life

Smart-Bus K 6.5" Ceiling Speaker Dual Cross Over
GTIN (UPC-EAN): 0610696253828

High End Dual Cone, DuPont™ Kevlar® woofers, with 1" Tweeter. Three Levels of Triple, Dust Filter, Aluminum Paintable Grill, Push and Latch Connectors

0 610696 253828

Smart-Bus Wall Mountable Outdoor Speaker, Water Proof
GTIN (UPC-EAN): 0610696253859

Polypropylene Cone, with 1" Tweeter, Dust Filter, Aluminum Paintable Grill, Push and Latch Connectors

0 610696 253859

Speaker Selector/Expander Balanced Ohm - OE-SPK6X-FL
GTIN (UPC-EAN): 0610696253859

For Adding Extra Speakers Easily without Compromising Quality of Sound, or Damaging Z-Audio Amplifier

0 610696 253859

Resound Wall Art Speakers
GTIN (UPC-EAN): *******************

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.

Motorized Shades
Open the Shades, open the moods

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

Curtain Motor Set: inclusive of 3Meters Rods with Runners & Fasteners, Motor, IR Remote control, Timer controller and scheduler, Clutch for hand operation (manual opening), Integration NO/NC ports, IR; P.Supply

0 610696 254153

Motorized Roller Drape, Integrate-able
GTIN (UPC-EAN): 0610696254160

Roller Motor Set: inclusive of 2Meters Rod with Holder & Fasteners, Tabular Motor, IR Remote control, controller, Integration NO/NC ports, IR; P.Supply

0 610696 254160

Motorized Vertical Blinds, Integrate-able
GTIN (UPC-EAN): 0610696254177

Blinds Motor Set: inclusive of 2Meters Rods with Runners & Fasteners, Motor, IR Remote control, controller, Integration NO/NC ports, IR; P.Supply

0 610696 254177

Motorized Horizontal Blinds, Integrateable - CSS-H1-WL
GTIN(UPC-EAN): 0610696254368

Blinds Motor Set: inclusive of 1Meter Rods with Runners & Fasteners, Motor, IR Remote control, controller, Integration NO/NC ports, IR; P.Supply

0 610696 254368

Lighting & Dimming
Mood Lighting & Dimming Control MODULES

Smart-Bus Dimmer 2ch 6Amp /ch, DIN-Rail Mount (G4) - SB-DIM2c6A-DN
GTIN (UPC-EAN): 0610696253866

Description:

DIN-Rail Mount Dimmer 2ch 6A /per ch. with scene controller (Overheat, Overload, Surge Protection) single phase both 220 /110 VAC, 50-60Hz (Green operated supplied by 24VAC/30mA) 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 requiresenergy saving, intelligent control such as apartments, Villas, Offices, Restauranst, Hotels or factories. Can be Manually Programmed by any Electrician on site without the need for a PC.

0 610696 253866

Applicable Pictures Example:

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

• Hotels ↓

• **Homes**↑

• **Restaurants**↑

• **Luxury Boats**↓

• **Schools**↓

• **Factories**→

Smart-Bus Dimmer 6ch 2Amp /ch, DIN-Rail Mount (G4) - SB-DIM6c2A-DN
TIN (UPC-EAN): 0610696253880

Description:
DIN-Rail Mount Dimmer 6ch 2A /per ch. with scene controller (Overheat, Overload, Surge Protection) single phase both 220 /110 VAC, 50-60Hz (Green operated supplied by 24VAC/30mA) 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 requires energy saving, intelligent control such as apartments, Villas, Offices, Restaurants, Hotels or factories. Can be Manually Programmed by any Electrician on site without the need for a PC

0 610696 253880

Smart-Bus Dimmer 4ch 3Amp /ch, DIN-Rail Mount (G4) - SB-DIM4c3A-DN
GTIN (UPC-EAN): 0610696253873

Description:
DIN-Rail Mount Dimmer 4ch 3A /per ch. with scene controller (Overheat, Overload, Surge Protection) single phase both 220 /110 VAC, 50-60Hz (Green operated supplied by 24VAC/30mA) 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 requires energy saving, intelligent control such as apartments, Villas, Offices, Restaurants, Hotels or factories. Can be Manually Programmed by any Electrician on site without the need for a PC.

0 610696 253873

Applicable Pictures Example:

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

• **Prayer Halls↓**   •**Commercial centers↓**

Smart-Bus Dimmer Multi Phase 8ch 1.5Amp /ch - SB-DIM8c1A-DN
GTIN (UPC-EAN): 0610696254702

Description:

Easy Multi phase Dimming scene, Queue, Sequence, On Off, Easy Programming

0 610696 254702

Smart-Bus Flourescent Ballast (0V-10V) Dimmer (G4) - SB-6B0-10V-DN
GTIN (UPC-EAN): 0610696254610

Description:

S-BUS enabled, 6 Channel control with relay cut off. Mannual Programming Enabled. (Overheat, Overload Protection) single phase both 110/220 VAC, 50-60Hz. (Green operated supplied by 24VAC/25mA). Cascadable, Upgradable Via USB Cable

0 610696 254610

SmartBus 3R Mini Relay Moudule G4 - SB-3R-UN
GTIN (UPC-EAN): 0610696254627

Description:

Bus Enabled, 3channel Relay module 1Amp per channel for Automation Security Siren, Lighting simple low load channel control, Electric Lock,Curtain motor, trigger of gate/Garage Motor etc. (Built in Intelligence and delay and double throw Function) - Small size can fit behind switch. With Broadcast Enabled, Ready with Firmware USB Upgrade

0 610696 254627

Smart-Bus Relay 4ch 20Amp /ch, DIN-Rail Mount (G4) - SB-RLY4c16A-DN
GTIN (UPC-EAN): 0610696253897

Description:

DIN-Rail Mount Switched Pass Through Relay 4ch 20A /per ch. Multi-Phase, Multi-Current, Multi voltage. Software Selectable programmable 3 Phase Protective function: Grouping. Work 220/110 VAC, 50-60Hz as well as 1.5-48VDC (Green operated supplied by 24VAC/20mA) 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 requires energy saving, intelligent control such as apartments, Villas, Offices, Restaurants, Hotels or factories.

0 610696 253897

Smart-Bus Relay 6ch 16Amp /ch, DIN-Rail Mount (G4) - SB-RLY6c16A-DN
GTIN (UPC-EAN): 0610696253903

Description:

DIN-Rail Pass Through Green Relay , powered by 12mA/24 VDC from Bus, can work as ON/OFF for Lighting, Small Pumps, water heaters, Irrigation solenoids , security buzzers, sirens and flashers, and Industrial use
Small and elegant with labeling place, life LED indicator, broadcast address button.
Can be used in any location that requires energy saving , intelligent control such as Factories, apartments, Villas, Offices, Restaurants, Hotel rooms , Convention Centers, Shopping Malls, Residential Buildings, Banquet Rooms, Stadiums, Airports, Theme Parks, Gymnasiums, Smart Mansions

0 610696 253903

Smart-Bus Relay 8ch 16Amp /ch, DIN-Rail Mount (G4) - SB-RLY8c16A-DN
GTIN (UPC-EAN): 0610696253910

Description:

DIN-Rail Mount Switched Pass Through Relay 4ch 16A /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 locations that require energy saving, intelligent control such as apartments, Villas, Offices, Restaurants, Hotels or factories. *Can be Manually Programmed by any Electrician on site with out the need for a PC .

0 610696 253910

Smart-Bus Relay 12ch 10Amp /ch, DIN-Rail Mount (G4) - SB-RLY12c10A-DN
GTIN (UPC-EAN): 0610696254375

Description:

DIN-Rail Mount Switched Pass Through Relay 4ch 16A /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 requires energy saving, intelligent control such as apartments, Villas, Offices, Restaurants, Hotels or factories. *Can be Manually Programmed by any Electrician on site without the need for a PC.

0 610696 254375

Smart-Bus 4Ch LED Dimmer and Driver Bus-Enabled (G4)
GTIN (UPC-EAN): 0610696254375

Description:
Smart-Bus 4Ch LED Dimmer and Driver Bus-Enabled (G4)

`0 610696 254375`

Smart-Bus LED Flicker Suppressor (G4) - SB-2Flicker-UN
GTIN (UPC-EAN): 0610696254870

Description:
2Ch Supressor, for LED Fickering Issue Solving. (This Module is To beused when Client Decide to Change his Halogine Spot Lights that were installed on Dimmer Controllers, to become Simple LED Fixtures instead.

`0 610696 254870`

LED Driver/Dimmer 4Ch Bus-Enabled (G4) - SB-4LED-DCV
GTIN (UPC-EAN): 0610696253941

Smart-BUS enabled (G4) 4000mA LED Driver, 4CH=RGBW 1000W Each, Variable 12-24VDC, to give power and control LED Lighting Brightness/ dimming and Color Mixing. Manual Programming Enabled. Good for LED Mood Lightng Control, DC input From Selected Voltage Power Supply. Works As Stand Alone and BUS-Enabled

`0 610696 253941`

2R mini Relay Moudule 5A (G4)
GTIN (UPC-EAN): 0610696255013

Bus Enabled, 2channel Relay module 5 Amp per channel for Automation Security Siren, Electric Lock, Curtain motor, trigger of gate/Garage Motor, Lighting control, ... etc. (Built in Intelligence and delay and double throw Function) - Small size can fit behind switch. With Broadcast Enabled, Ready with Firmware USB Upgrade

`0 610696 255013`

Mix24 Controller, DIN-Rail Mount (G4)
GTIN (UPC-EAN): 0610696254788

4Ch Dimmer 1A, 20Ch Relay 5A with scene controller. Mannual Programming Enabled. (Overload Protection) Good for Lightng Control, 50-60Hz. (Green operated supplied by 24VAC/12mA). Cascadable, Upgradable Via USB Cable. 2-Way status update if manually overidden at Relay side. ((Built in: Added Motor control Double trow Function and Floor heating manual pairing Function))

`0 610696 254788`

LED Driver/Dimmer 3Ch DMX-Enabled (G4)
GTIN (UPC-EAN): 0610696253927

LED RGB Driver Smart-BUS enabled (G4) 650mA per channel: LED Driver, 3CH=RGB, Range 12-36 VDC, to give power and control LED Lighting Brightness/ dimming and Color Mixing. DMX 48/512 Control Protocol Enabled. Good for LED Mood Lightng Control
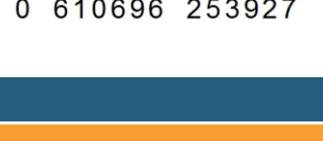
`0 610696 253927`

Sensors, Detectors and Dry Inputs

4-Zone Dry Input Module (G4) - SB-4Z-UN
GTIN(UPC-EAN): 0610696254023

Description:

Bus Enabled, Addressable 4-Zone dry Contact Input Module. used for Automation, to connect to any door or window sensor, PIR , Gas leak detectors,Water Leak sensors, Pressure Mats, panic...etc. (supports 4 zones Security & Safety). Another application is for converting Classical Manual Switches into BUS Automation use. Built-in intelligence and delay function, 2-Way Switch update status function. Can fit behind switch into wall box.

**Added function: Bigger screw terminals, Broadcast button, and mini USB firmware upgrade port.

0 610696 254023

9 in 1 Multifunction Sensor (G4) - SB-9in1T-CL
GTIN (UPC-EAN): 0610696253996

Description:

Bus Enabled, Addressable Ceiling Mountable 9in1 Multi-Functional sensor. 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 supports burglar Security Code input checking, arming and disarming, it has a Built in Temperature Sensor that can be paired to HVAC2 Module, and for other reading needs)

**Added function: Easy S-BUS Connectors, Temperature Sensor, and mini USB firmware upgrade port, & Advanced mechanical design and size to fit ceiling boxes twist in.

0 610696 253996

6 in 1 Multifunction Sensor (G4) - SB-6in1T-CL (L)
GTIN (UPC-EAN): 0610696254009

Description:
Bus Enabled (Temperature, PIR. LUX, IR receiver, (32) Automation logics, security) and Energy Logics, Distributed Intelligence. (Detection Angle = 110 Degrees, Adjustable detection Range 10 Meters diameter). Direct Pair Enable to HVAC (manual Programming Enabled.)

`0  610696  254009`

6 in 1 Multifunction Sensor (G4) - SB-6in1T-CL (S)
GTIN (UPC-EAN): 0610696254009

Description:
Bus Enabled (Temperature, PIR, (32) Automation logics, 2Z, security,) and Energy Logics, Distributed Intelligence. (Detection Angle = 110 Degree, Adjustable detection Range 10 Meters diameter). Direct Pair Enable to HVAC (Manual Programming Enabled.)

`0  610696  254009`

5 in 1 Multifunction Sensor (G4) - SB-5in1-CL (L)
GTIN (UPC-EAN): 0610696254016

Description:
Bus Enabled (PIR. LUX, IR receiver, (32) Automation logics, security) and Energy Logics, Distributed Intelligence. (Detection Angle = 110 Degree, Adjustable detection Range 10 Meters diameter). Direct Pair Enable to HVAC (Manual Programming Enabled.)

`0  610696  254016`

5 in 1 Multifunction Sensor (G4) - SB-5in1-CL (S)
GTIN (UPC-EAN): 0610696254016

Description:
Bus Enabled (PIR, (32) Automation logics, 2Z, security,) and Energy Logics, Distributed Intelligence. (Detection Angle = 110 Degree, Adjustable detection Range 10 Meters diameter). Direct Pair Enable to HVAC (Manual Programming Enabled.)

`0  610696  254016`

PIR Motion sensor (Simplified) -SB-PIR-CL

Description:
Bus Enabled PIR Motion Sensor (Detection Angle = 110 Degrees, Adjustable detection Range 10 Meters diameter). Direct Pair Enable (manual Programming Enabled.), NO/NC 5V Output to Connect to 3rd Party Alarm System as Normal PIR. (Works 12V and 24V As Stand Alone PIR)

`0  610696  253989`

Active Occupancy Sensor (G4) -(2in1)
GTIN (UPC-EAN): 0610696254641

Bus Enabled Vandal Proof, Outdoor (PIR/Ultrasonic/Sound Detector) with built in Logic, and 2 relays contactors NO/NC. Calibratible sound trigger level, Calibratible Ultrasonic Distance Trigger and Angle, adjustable PIR sensitivity.

`0  610696  254641`

Centralized Process Controllers

Automation Logic Module 2 (G4) - SB-Logic2-DN
GTIN(UPC-EAN): 0610696254054

Description:

DIN-Rail Mount, Central Time Clock and Main Automation Controller. It is the smart system servant that can 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
**Added function: Improved Logic Table Configuration and Viewing of used against available flags.

0 610696 254054

Security/Safety Monitoring Module (G4) - SB-SEC250K-DN
GTIN(UPC-EAN): 0610696254047

Description:

DIN-Rail Mount Security Monitoring Module. It can Handle and Monitor 250,000 Addressable Zones. Ready with 6 Protection Preset Modes as well as 24 Hour Monitored Zones. It Supports up to 8 Different Areas in one Module. Monitoring compatible for both NO/NC, Panic, Entry, Exit with Delay, 1-4Times with exit time restart, SMS and Dial up to 10 Numbers for Each Alarm type at different Shift. Bypass, restore, reset, siren Delay, with Lock all Panels ability. Added function and recorded Alarm History Recall.

0 610696 254047

S-BUS Building EMS,
GTIN(UPC-EAN): 0610696254658

Description:

DIN-Rail Mount, Enables easy Building Structure build up, Auto update of Family Devices added, Backup of all Information Programed on BUS, easy Restore and Monitoring. Advanced Equipment management System and integration

0 610696 254658

MEST Micro Energy Saving Sensor (MAK)
GTIN (UPC-EAN): 0610696254931
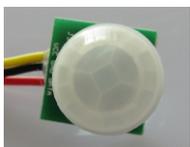
MEST is a Tiny Sensor that Mounts Next or on Any Light Fixture and Connect to MAK Controller for Energy Saving Application.

0 610696 254931

MAK Controller For MEST Micro Energy Saving
GTIN (UPC-EAN): 0610696254948

MAK Controller for Energy Saving Application, is a Simple Controller That Works Stand Alone and Control 5A Electrical Circuit, The MAK controller Dirves and accept 2 MEST Sensors with Timer Select: (5Sec - 30 Minutes) and with 2 Logic Allawance: (A= On If Detect Either Sensor Sides, B=On if Detect Sensor1, Off if Detect Sensor2)

0 610696 254948

Communication and Integration Bridges

G4 Don't Underestimate Me
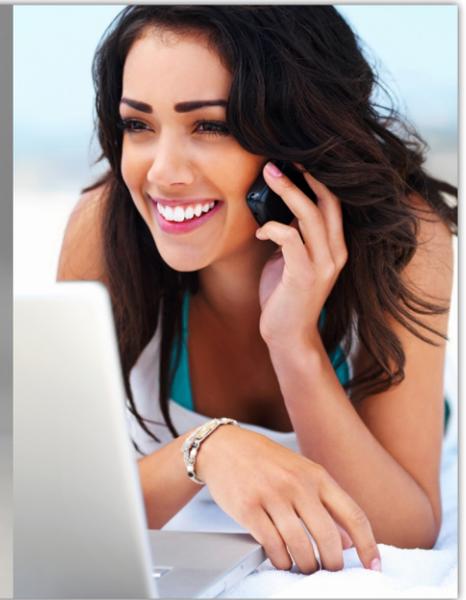
Smart-Bus Hybrid Integration Link with IP - SB-RSIP-DN
GTIN(UPC-EAN): 0610696254061

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

S-BUS to RS232 Module For "HAI" Integration - SB-RS232H-DN
GTIN(UPC-EAN): 0610696254696

Description:

DINRail Mount, Preloaded Protocol (Direct HAI Security 2-way integration)

0 610696 254696

S-BUS to RS232 Module For "Nuvo" Integration - SB-RS232N-DN
GTIN(UPC-EAN): 0610696254078

Description:

DIN-Rail Mount, Preloaded Protocol (Direct Nuvo Music 2-way integration interface for G series with M3 server, T2 tuner, and Novo RIPS, WIPS Ipod Doc)

0 610696 254078

S-BUS Power Meter Module
GTIN (UPC-EAN): 0610696254986

DIN-Rail Mount, 3Phase Power Meter with Exponential Connection to 5A Transformers, Smart-BUS Enabled

0 610696 254986

Preloaded S-BUS RS232 Integration Bridge Module
GTIN (UPC-EAN): 0610696254863

For "Partners" Integration, DIN-Rail Mount, Preloaded Protocols To Select From: (MODBUS, X10, Honeywell, Channel Vission, Integra AVR, Daiken, Insteon, Cool Master ++)

0 610696 254863

DALI Bridge Module
GTIN (UPC-EAN): 0610696254979

4Ch Dimmer 1A, 20Ch Relay 5A with scene controller. Mannual Programming Enabled. (Overload Protection) Good for Lightng Control, 50-60Hz. (Green operated supplied by 24VAC/12mA). Cascadable, Upgradable Via USB Cable. 2-Way status update if manually overidden at Relay side. ((Built in: Added Motor control Double trow Function and Floor heating manual pairing Function))

0 610696 254979

S-BUS to DMX 48 Bridge Module
GTIN (UPC-EAN): 0610696254955

DIN-Rail Mount, 48 Channels DMX Scene Controller, Smart-BUS Enabled

0 610696 254955

S-BUS to DMX 512 Bridge Module
GTIN (UPC-EAN): 0610696254962

DIN-Rail Mount, 512 Channels DMX Scene Controller, Ethernet Port, Smart-BUS Enabled

0 610696 254962

Impulse Metering Module (G4)
GTIN (UPC-EAN): 0610696254856

Bus Enabled, Volt-free Digital Impulse Metering for Connection to Third Party Meters: BTU, GAS, Electrical, Water++), Built In Memore with Date/hour Serch (12 Month Memory) for 1 Channel, Initial reading input, Download and reset to free Memory Functions) - Small size can fit behind switch. With Broadcast Enabled, Ready with Firmware USB Upgrade

0 610696 254856

Smart Gate
Extreme Control Host BOX

Home automation
systems offer peace of mind
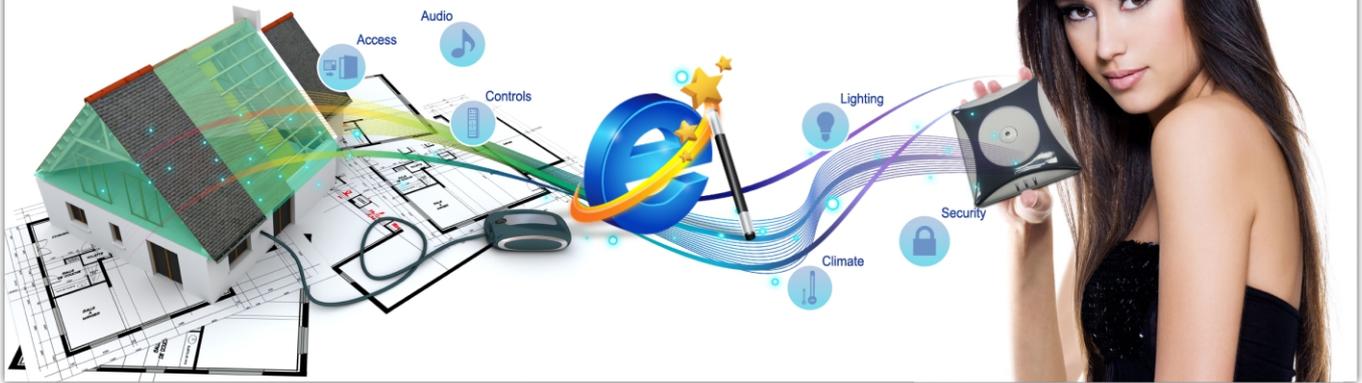
Smart-Gate (Web-Host) - SB-SGATE-UN
GTIN (UPC-EAN): 0610696254665

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:

Power Supply   LAN   USB   RS232

DC-5V   Rx Tx GND   Rx Tx GND

SD Card Slot
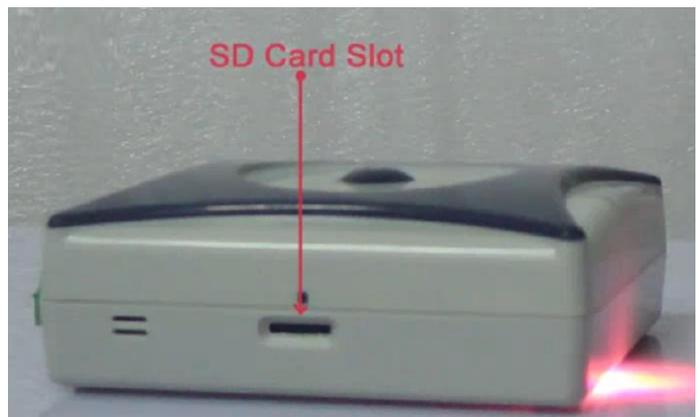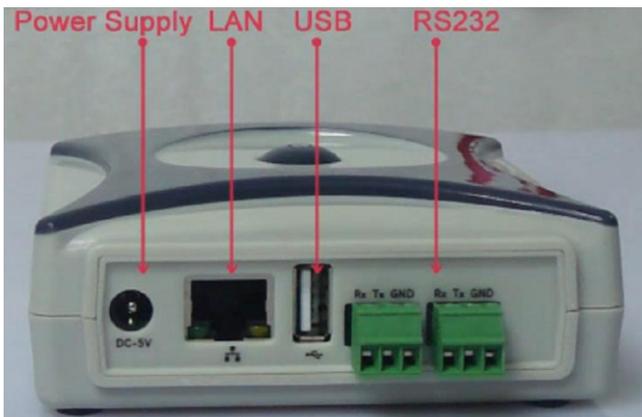
Blackberry
Internet
Playstation
N.TV
Chat
MOTOROLA
NOKIA

SMS Controller
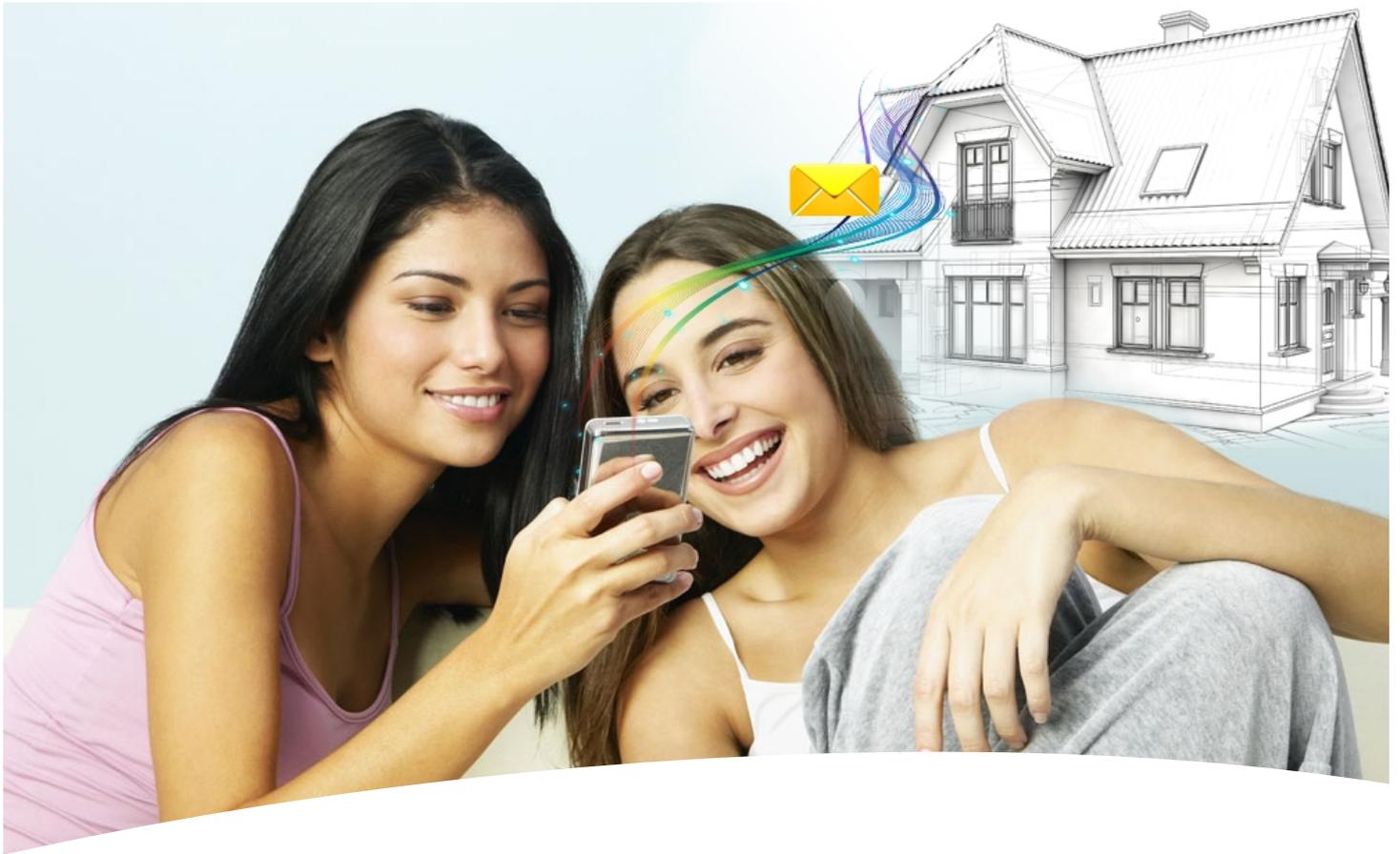
Mobile sending Message Screen Below: Visitor, above (Play Movie Avatar), Above it: (Gas Leak Alarm Triggered) Add connection/Communication Diagram showing the 2-way

Installer parts

Installer Upgrade Kit
GTIN (UPC-EAN): 0610696254436

USB Pluggable, Firmware Upgrade and Microscripting /Debugging Kit, for Pro installers and Integrators with USB Port

0 610696 254436

Infrared Code Learner KIT
GTIN (UPC-EAN): 0610696254139

USB Pluggable, IR learning/ Programming Kit. Comes with Software driver, for Pro installers and Integrators

0 610696 254139

Screw Driver Set (10Pack)
GTIN (UPC-EAN): 0610696254443

Easy and Elegant Tool : Contain the Main items installer Need for S-BUS terminal Screws (type Cross, and Type Straight) used with G4 equipment. Also it come with pen to Note Device ID ++. Personalized with G4 Logo (Smart) Identified

0 610696 254443

IR EYE Set (5Pack)
GTIN (UPC-EAN): 0610696254504

Easy to Extend and Locate IR Receiver Eye to link to DDP and or any Soft Button Switch (3B, 4B, 6B). Come with IR Eye, Sample cable, and (3I) conncetor. Well tested at 12 Meters cable range with Excellent Response

0 610696 254504

4D S-BUS Connectors Pack of (10) for (G4)
GTIN (UPC-EAN): 0610696254092

Smart-BUS G4 Connectors are Designed for Pro Installers to make Sure of Continuois system workability even during Replacement of Any System part like 9in1, or DDP, or wall switch ..etc. This connector is Designed for connecting to G4 S-BUS Enabled devices

`0 610696 254092`

4S S-BUS Connectors Pack of (10) for (G4)
GTIN (UPC-EAN): 0610696254108

Smart-BUS G4 Connectors are Designed for Pro Installers to make Sure of Continuois system workability even during Replacement of Any System part like 9in1, 6in1, 5in1 ..etc. This connector is Designed for connecting Sensors or Magnetic contacts Etc.

`0 610696 254108`

3I S-BUS Connectors Pack of (10) for (G4)
GTIN (UPC-EAN): 0610696254115

Smart-BUS G4 Connectors are Designed for Pro Installers to make Sure of Continuois system workability even during Replacement of Any System part like DDP, FDP or wall button switch ..etc. This connector is Designed for The Optional IR reciever Connector

`0 610696 254115`

3S S-BUS Connectors Pack of (10) for (G4)
GTIN (UPC-EAN): 0610696254764

Smart-BUS G4 Connectors are Designed for Pro Installers to make Sure of Continuois system workability even during Replacement of Any System part like Hotel Bell, Card Holder...etc. This connector is Designed for use with Hotel Bell and Card Holder as 2-Z contact Connection

`0 610696 254764`

5L S-BUS Connectors Pack of (10) for (G4)
GTIN (UPC-EAN): 0610696254771

Smart-BUS G4 Connectors are Designed for Pro Installers to make Sure of Continuois system workability even during Replacement of Any System part like LED Drivers,...etc. This connector is Designed for: connecting RGBW LED lines

`0 610696 254771`

Cable Manager8 (Combiner) DIN Mount
GTIN (UPC-EAN): 0610696254542

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

`0 610696 254542`

Apple Apps
iPhone iPad iPod

Software Screen Shots

| Main Menu | Lighting Control | Climate Control |

Divided into 3 main Areas:
Zonal: Rooms
Central: Macros, Camera, Appliances, security, Intercom,
Communal: Meters, Community, Reminders, Weather, Messages
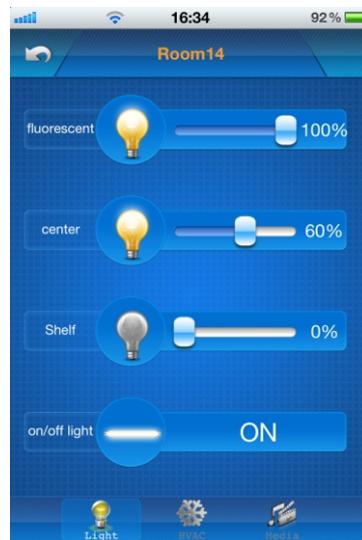
Light Channels Name, Type picture On Off control per channel Dimming Control Slider

ON/Off
Temperature Control
Fan Speed, Low, Mid, High
Mood: Heating, Cooling, Fan,
Auto Presets: Cold, Cools, Warm, HOT

Software Screen Shots

Shades

Media Control

Music Control

Camera Control

Appliance Control

Macro Button
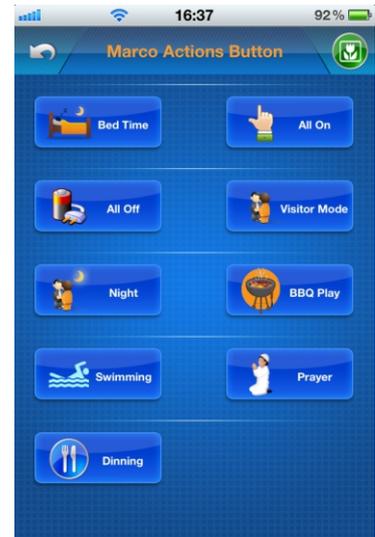
Central Lights

Central Climate

Mood Control

Android Apps

Phones, Tablets, TV Box, Smart TV ++

Software Screen Shots

Home Screen
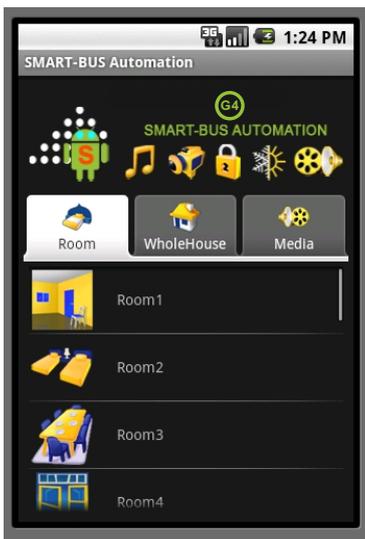
Lighting control in Room

HVAC
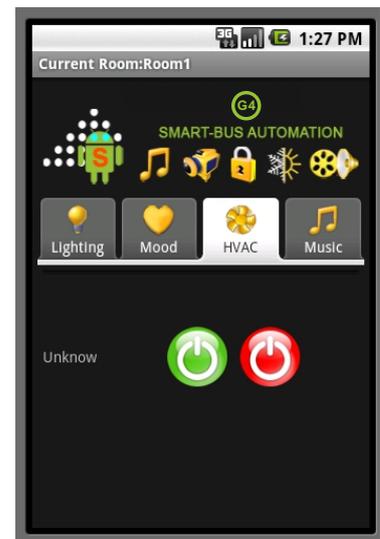
Software Screen Shots

Security
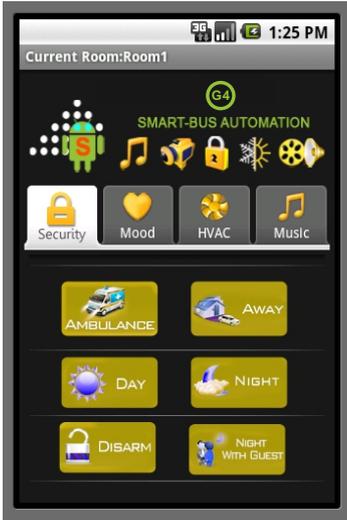
Macro Buttons
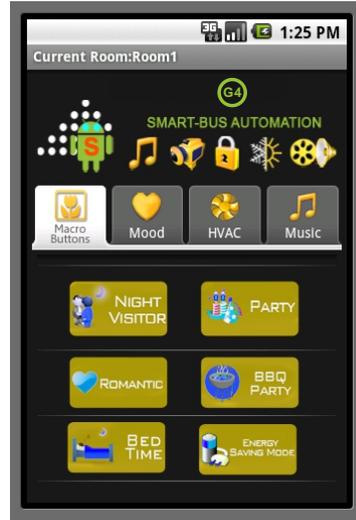
Music

Media

Mood
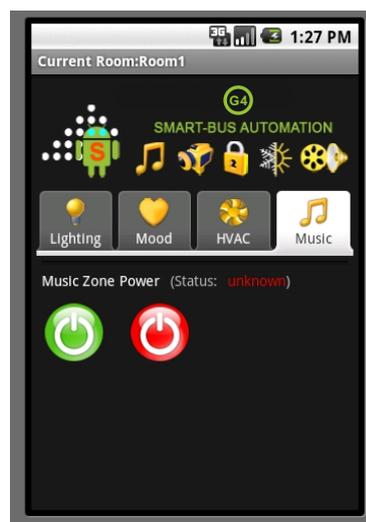
Windows Control Apps
HAC Software

Windows XP/7 Based Home Automation Control Software, Using Laptop or Tablet Touch Screens. Version 6.0 with Video play and Mood Recording easy, Music Comand and Play DJ Like List, Multi Zone Grouping and Pairing Function, Community ++ (Allow Trial for 45 Days, Must register Afterwards, We advise Buying Minimum of 10 Licenses to avoid Inconvenience)

Windows Control Apps
Mazarati Software for Windows CE

Smart-Bus enabled on Windows CE is developed by Smart Home Group, a company that specializes in home automation.

Windows CE Based Home Automation Control Software, WinCE Enabled Devices or Tablet Touch Screens. With CCTV Video Stream, Music ++ (Allow Trial for 45 Days, Must register Afterwards, We advise Buying Minimum of 10 Licenses to avoid Inconvenience)

Windows Control Apps
Video Play SW (Slaves)
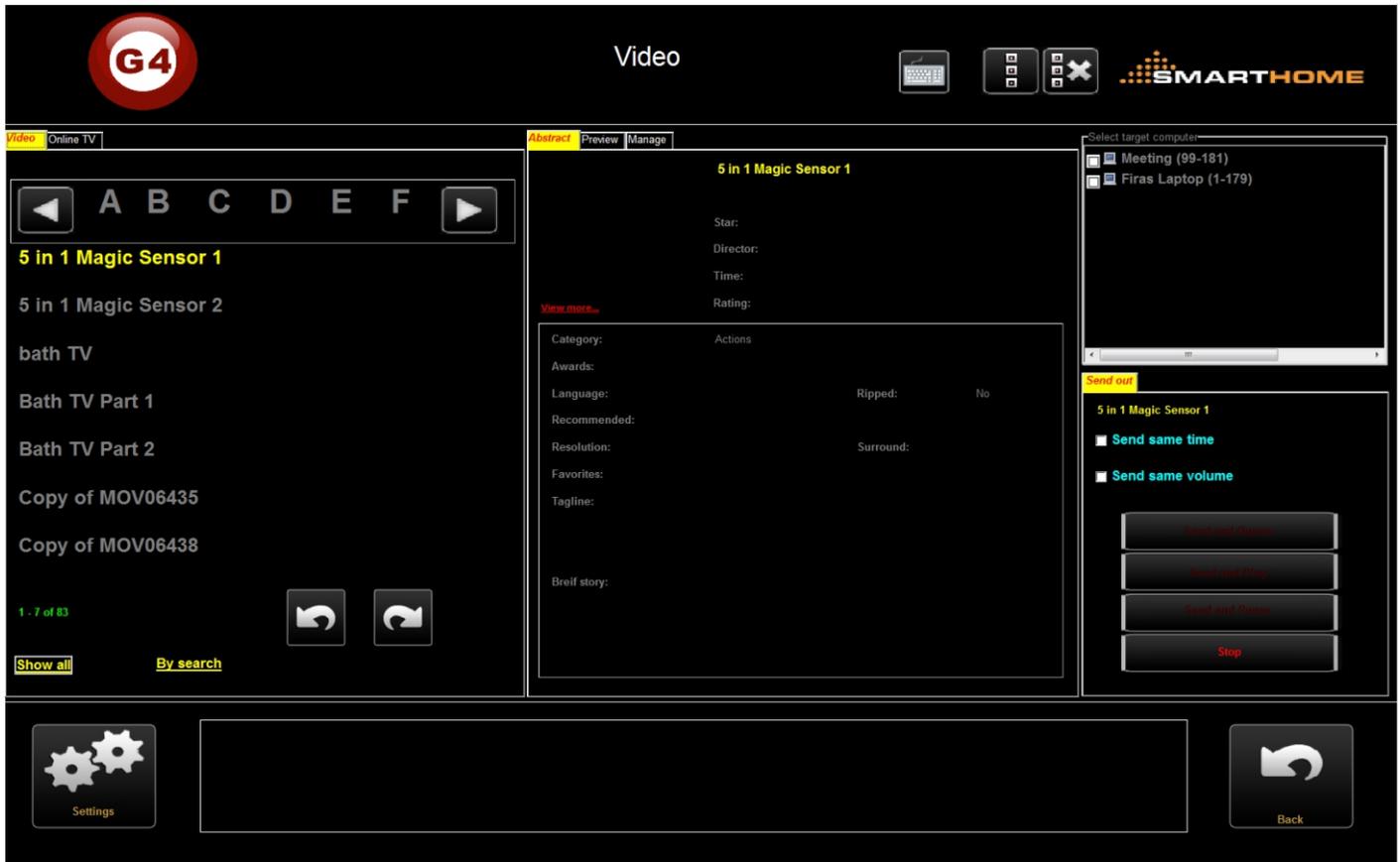
Play list Management Software
and reminders Software (To enable Organizing Personal Lists from any Networked PC/laptop)

Windows Control Apps
Show Control SW and Apps Examples (Windows)
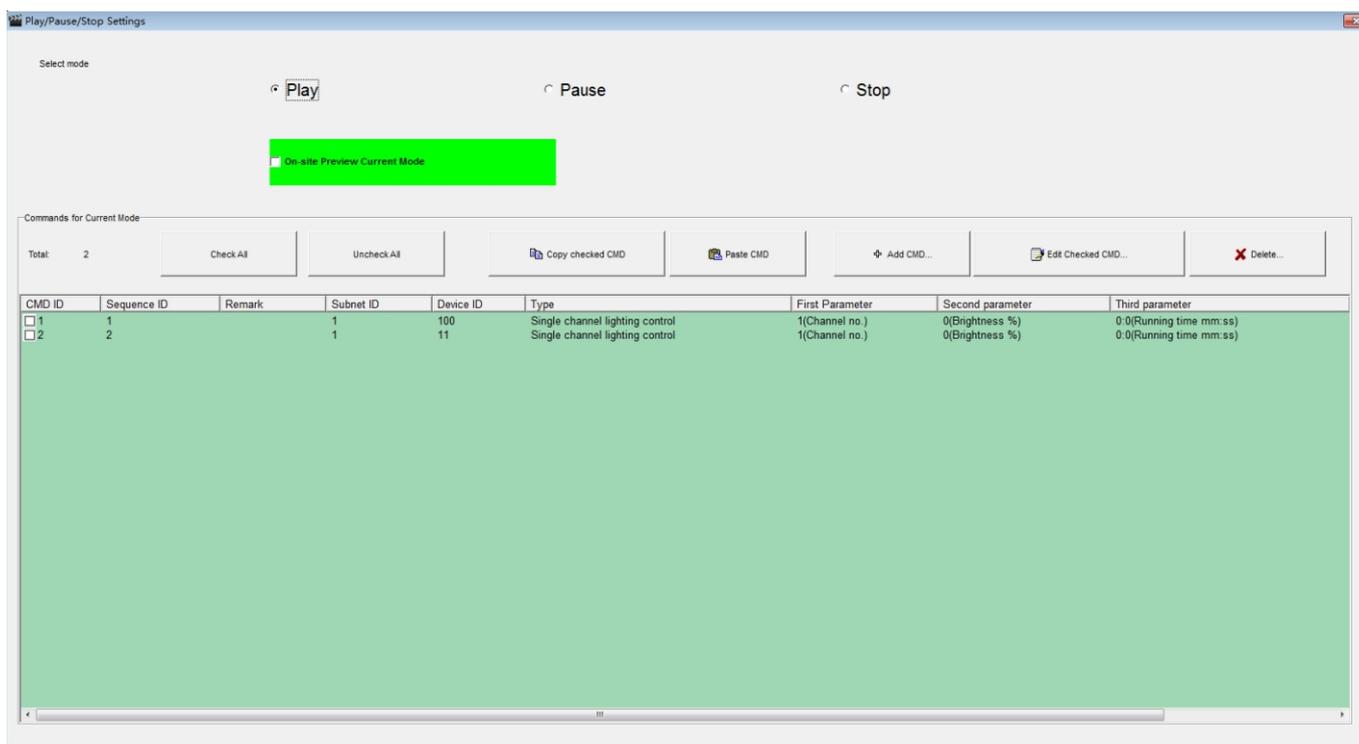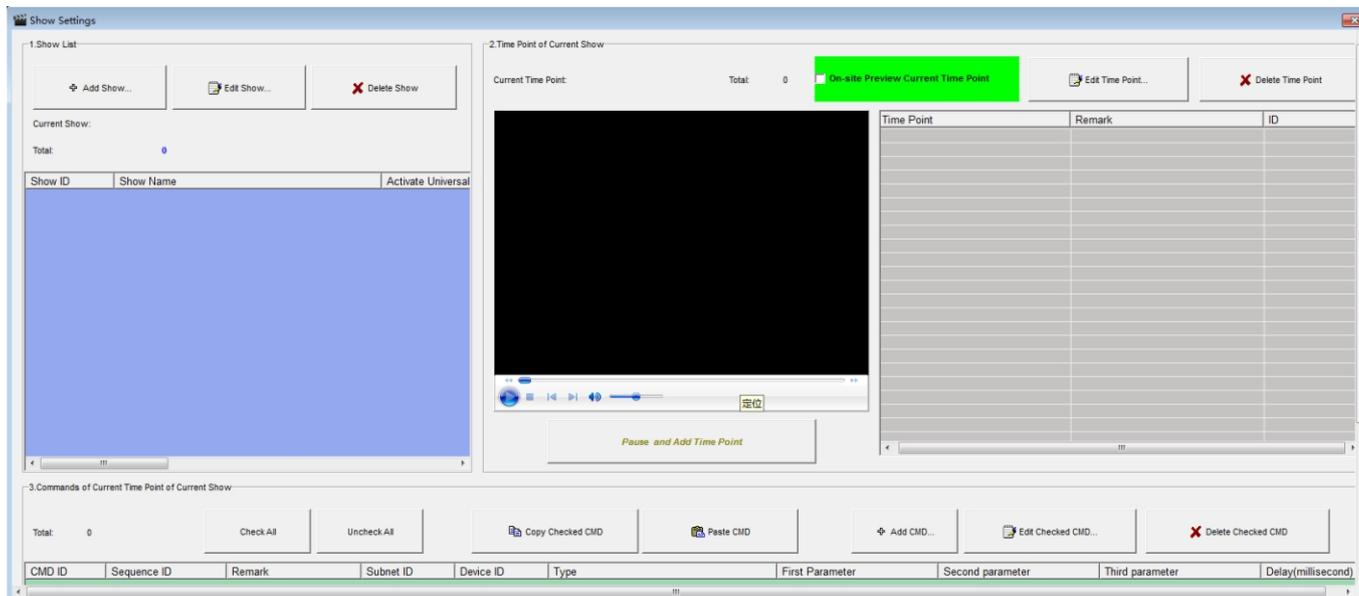
Single Windows PC License: Presenter and Voice Server Software. Capable of Synchronizing and Playing: (Flash, Picture, Music, Video, PowerPoint, Trigger any File or presentation, Run DMX commands, Scenes, Color LED, IR ASCII, voice and more). Great Idea for Adding Effects that correspond to Played presentation, Media of Films ++ (Keystroke and Action Recording and Play back on demand Function)

Windows Control Apps
Play List Manager

Windows Control Apps
Hotel card management

SoftWare For Smart Hotel

↓ Smart Hotel System
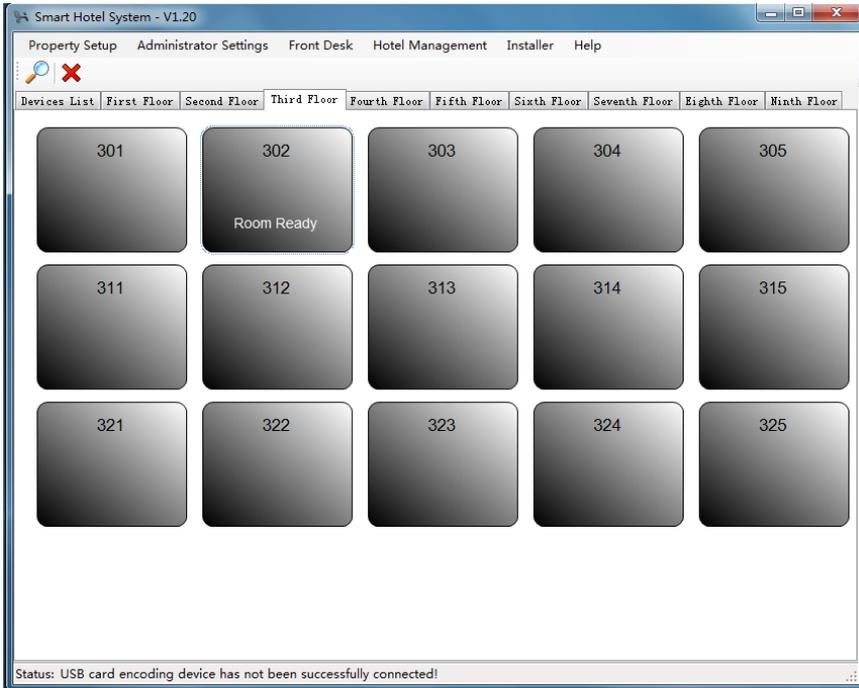
↓ Smart Hotel Room
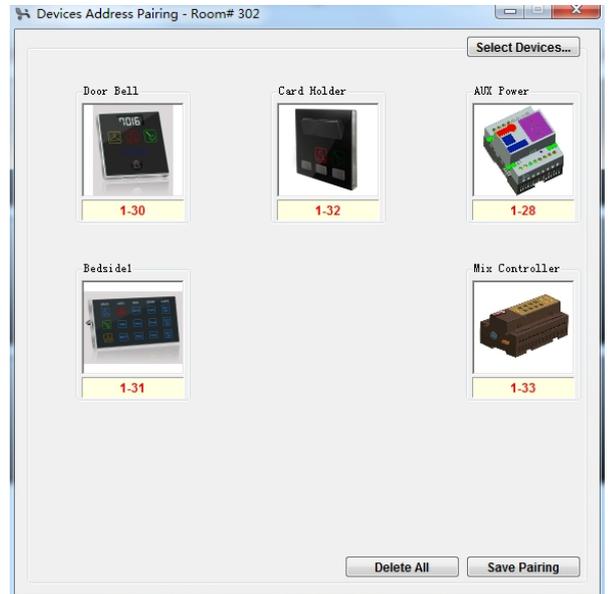
↓ Smart Hotel Door Bell
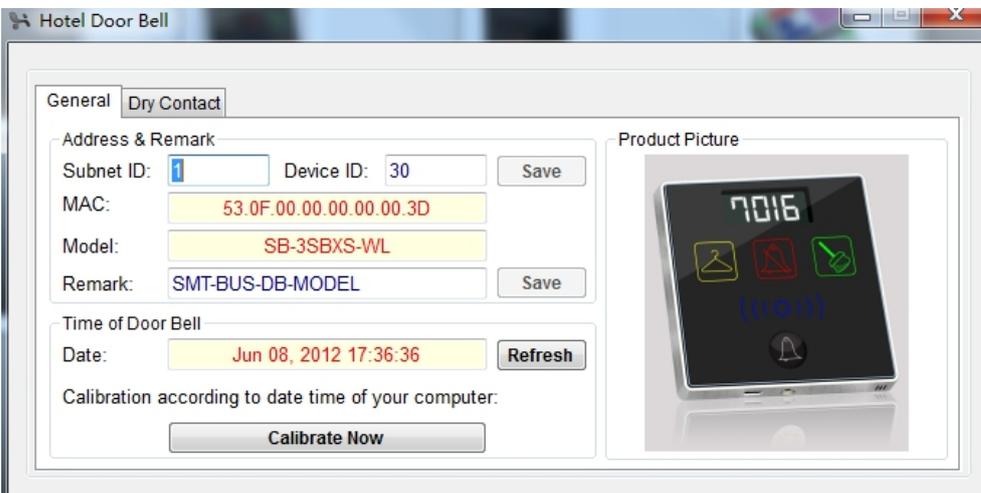
↓ Smart Hotel Check in
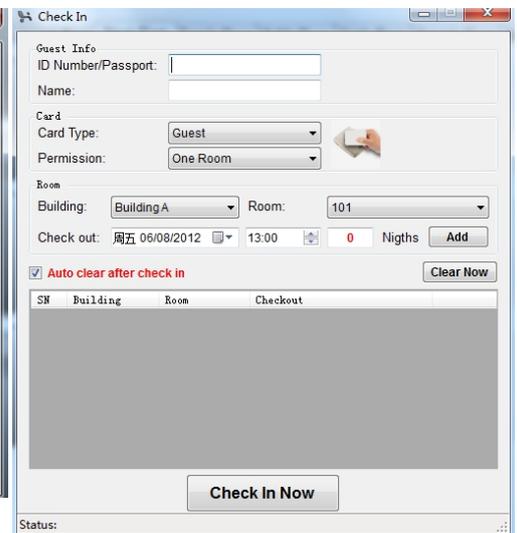
↓ Hotel Service Management SW (per license)

↓ Hotel Guest Room Card Management Software
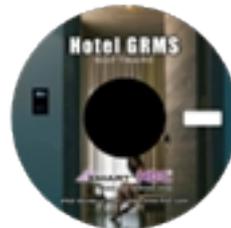
Smart Hotel

Smart-Bus Hotel Bell with Access Control (G4) - SB-3SBXS-WL
GTIN (UPC-EAN): 0610696254337

Proximity Card Reader, Flash Memory Download by USB to Secure software, Door Relay for Lock Control, Built in Logic Control Module (Host), Back Lit, Bell Push, Functions: (DND, Clean Room, and Pick Laundry indicators), Online update to housekeeping, and Front office.

0 610696 254337

Smart-Bus Hotel Door Bell Panel with Service - SB-3SBell-WL
GTIN(UPC-EAN): 0610696254320

Built in Logic Control Module (Host), Back Lit, Bell Push, Functions: (DND, Clean Room, and Pick Laundry indicators), Online update to house keeping, and Front office. Disable Bell if DND is active. Bus Enabled Network. Secure, Screw less Fixing Magnet Technology, Include 1Z for Door Magnet, No Need for Special Back box (Uses standard 3x3 Market standard Back-box)

0 610696 254320

Smart-Bus Hotel Card Holder (G4) - SB-3SCARD-WL
GTIN(UPC-EAN): 0610696254351

Read Special Card Design
Built-in service request buttons
USB Upgrade and Download log
Easy connector enabled
Hotel logic watchdog (Power Infant)

0 610696 254351

Hotel Service Requester Panel - SB-H3S-WL
GTIN (UPC-EAN): 0610696254887

Simplified Energy Master Control Switch with Delay Timer, BUS Enabled. Including 3back let Buttons for service request: DND,Clean, Laundry)

0 610696 254887

Smart-Bus Hotel Bedside or Table Side Simplified Panel - SB-BEDSD-UN
GTIN (UPC-EAN): 0610696254825

Built-in service request buttons
USB Upgrade and Download log
Easy connector enabled
Hotel logic watchdog (Power Infant)

0 610696 254825

Zone-Beast 23 port Mix Control Module (G4) - SB-ZMix23-DN
GTIN (UPC-EAN): 0610696254313

DIN-Rail Mount, Total 3Ch Dimming, and 18 Relays, 1 temp aux, & a 1 VAV 0-10V. To be used as needed with easy assignment for the following applications: lighting, dimming, HVAC, drapes & shutters, boilers or pump, Exhaust fan, Sirens/Flasher, door bell and many more (3ch dimming Each 2Amp / 17ch Relay 5A Each 1 Relay 16A for heavy Appliances), 1 temperature Sensor Input. 1 0-10v output

0 610696 254313

Auxiliary Hotel Room Power Master - SB-HAPower-WL
GTIN(UPC-EAN): 0610696254382

To connect to Simplified Energy Master Control Switch, Including 15A Master Cutoff Relay and Door Bell 220V output Trigger

0 610696 254382

Hotel Card Encoder - SB-CardeRR-FL
GTIN(UPC-EAN): 0610696254399

Mifare Card Encoder for Hotel GRMS, good for up to 4K of Data coding and Reading Per Card

0 610696 254399

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)

Dimmer Control Modules(Features compared)	Old Smart-BUS	New S-BUS G4
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)

Relay 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
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	ot 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)

4Z/IR Modules (Features compared)	Old Smart-BUS	New S-BUS G4
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

Air-conditioning Control (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
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

Air-conditioning Control (Features compared)	Old Smart-BUS	New S-BUS G4
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

Zone Audio (Features compared)	Old Smart-BUS	New S-BUS G4
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

Zone Audio (Features compared)	Old Smart-BUS	New S-BUS G4
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

9in1 Sensor, 6in1 Sensor (Features compared)	Old Smart-BUS	New S-BUS G4
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 9Avoided)	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

Hotel 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

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 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

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.

Professional
TRAINING

Demo Bags
Demo Kit

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.

Contact Us

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