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The Smart-BUS Automation

# One Touch to an Easy Lifestyle





## What Makes it 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



# 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







### **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 Standard System (7 Seconds without PC)
- Real Open Protocol, and Easy Seamless Integration



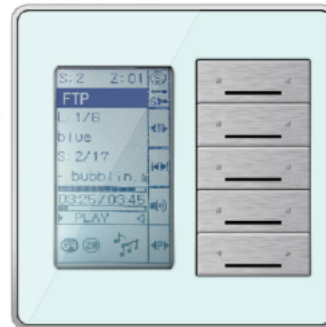
# Magic Of DDP

## One Touch To An Easy Lifestyle

 One Touch To An Easy Lifestyle



↓Music



↓Lighting+ Moods

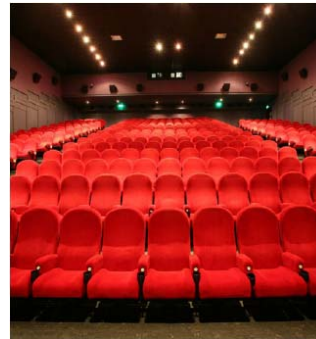
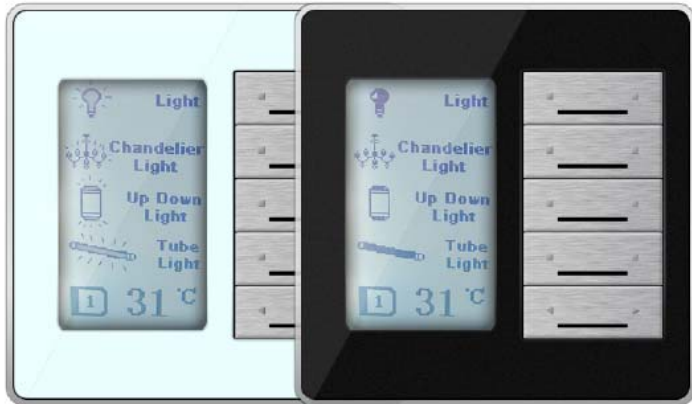


↓HVAC



see

You want to see





# Lighting & Dimming

Mood Lighting & Dimming Control MODULES





# HEAR

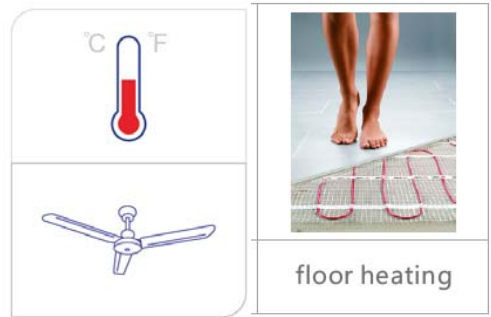
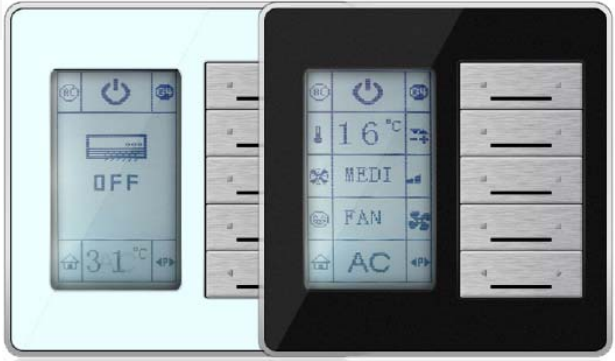
Enjoy the music of pleasant life





# FEEL

You set the temperature of the space



# Climate Control

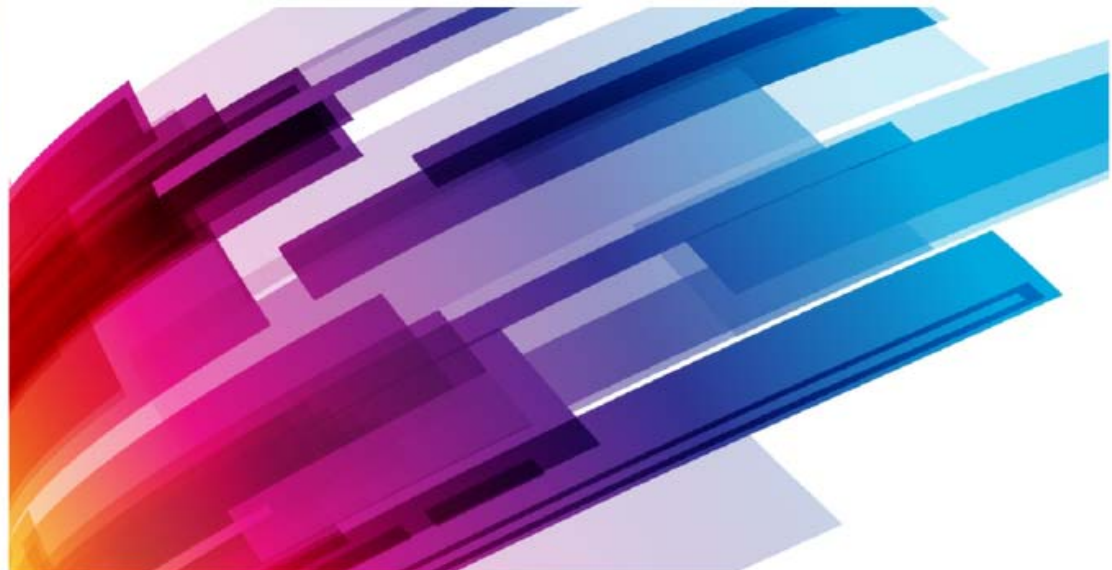


# SMELL

From the breath of life







# ENTERTAIN

Happy life



# SECURE

24 hrs by 7







# MOTORIZED

Simple Techno Lifestyle



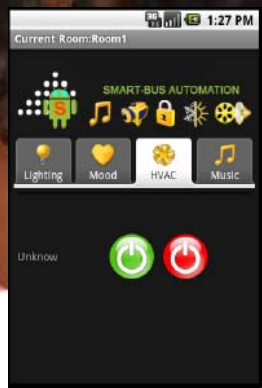
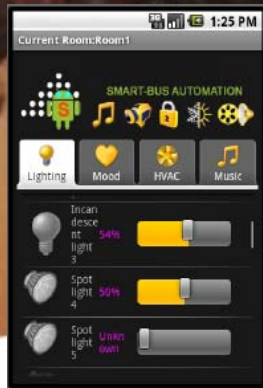


# CONTROL

Everything controls on you



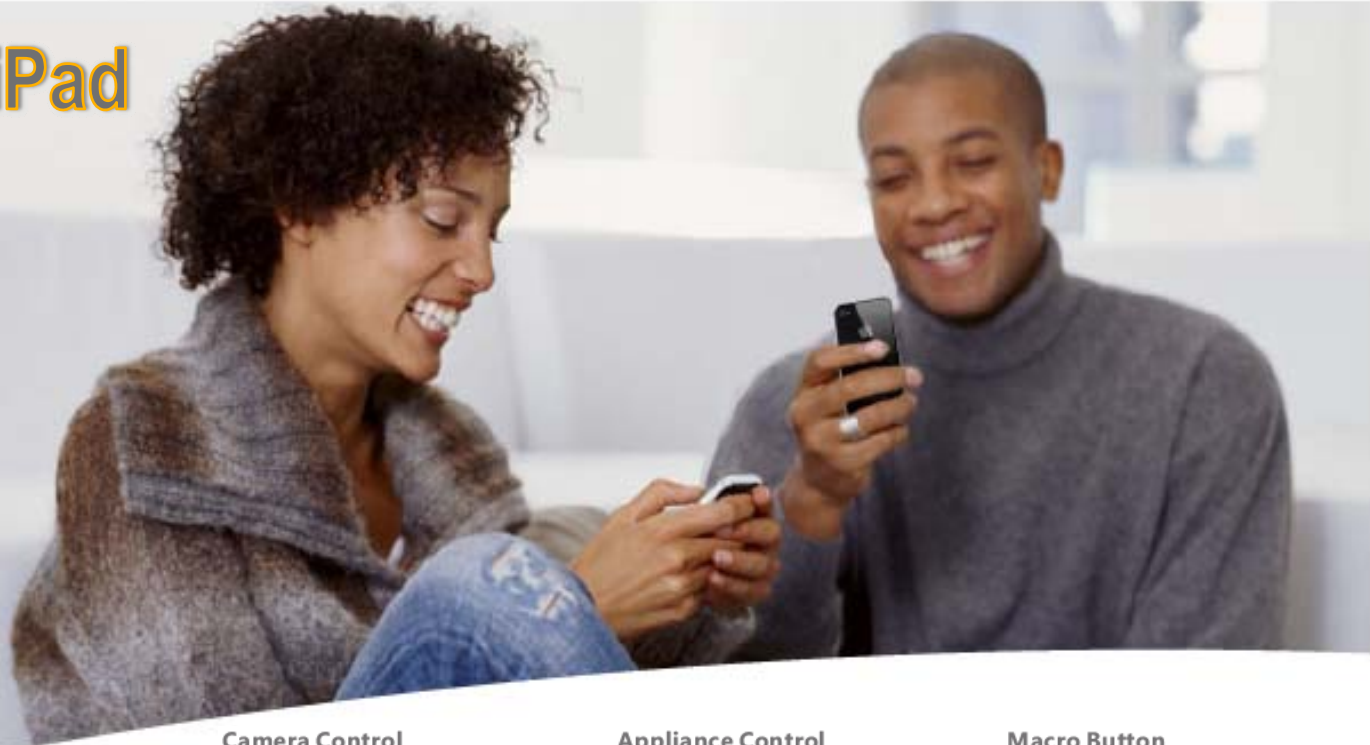




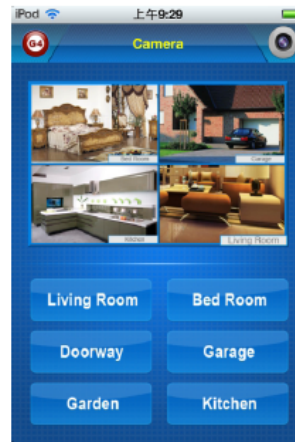
Android



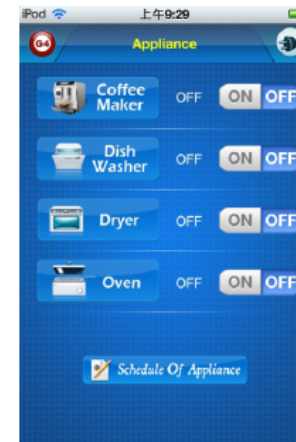
# iPod iPhone iPad



## Camera Control



## Appliance Control



## Macro Button



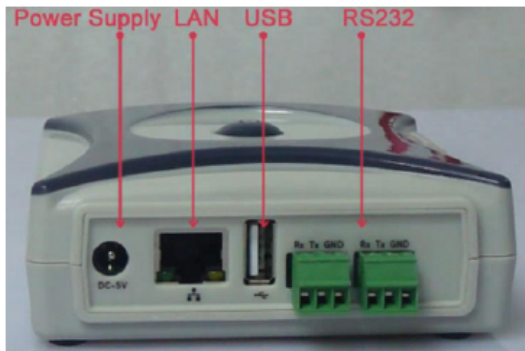


Home automation systems offer peace of mind



Details Zoom On Panel:

Smart Gate





# SMS Controller



# iPad Doc



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



# Hand Held Remote

Simplified Hand Held IR Remote Control 5



# Windows Control Apps

Dubai Silicon Oasis Authority



Message Video

Reminder Photos

Community

Actions Marco buttons

Lights Security

Energy Camera

Music Appliances

Living Room Family Kitchen

Master bed room Parking

Theater/Gym

Dubai Silicon Oasis Authority



Setting

Community

Bulletin Notice Maintenance Service Bills News

Weather Shopping Voting Taxi Mother\_son Rent & Lease

Social Networking Online TV Lost & Found Reservation Food Order Lessons Schedules

Date

Dubai Silicon Oasis Authority



## Security

Select security mode:

Away	Night
night with guest	Day
PANIC	Disarm
Alarm	Alarm

1	2	3
4	5	6
7	8	9
Clear	0	

Security zone

Alarm history

Back



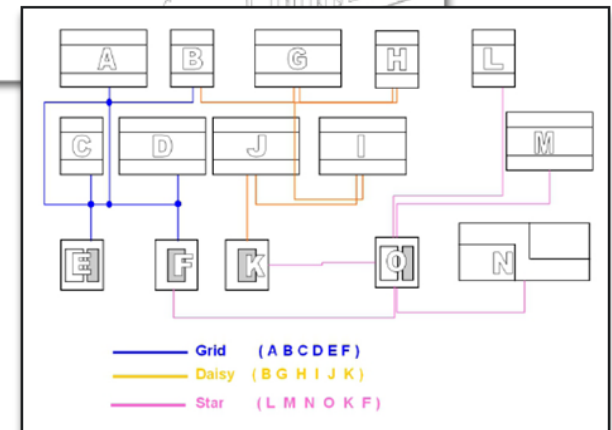
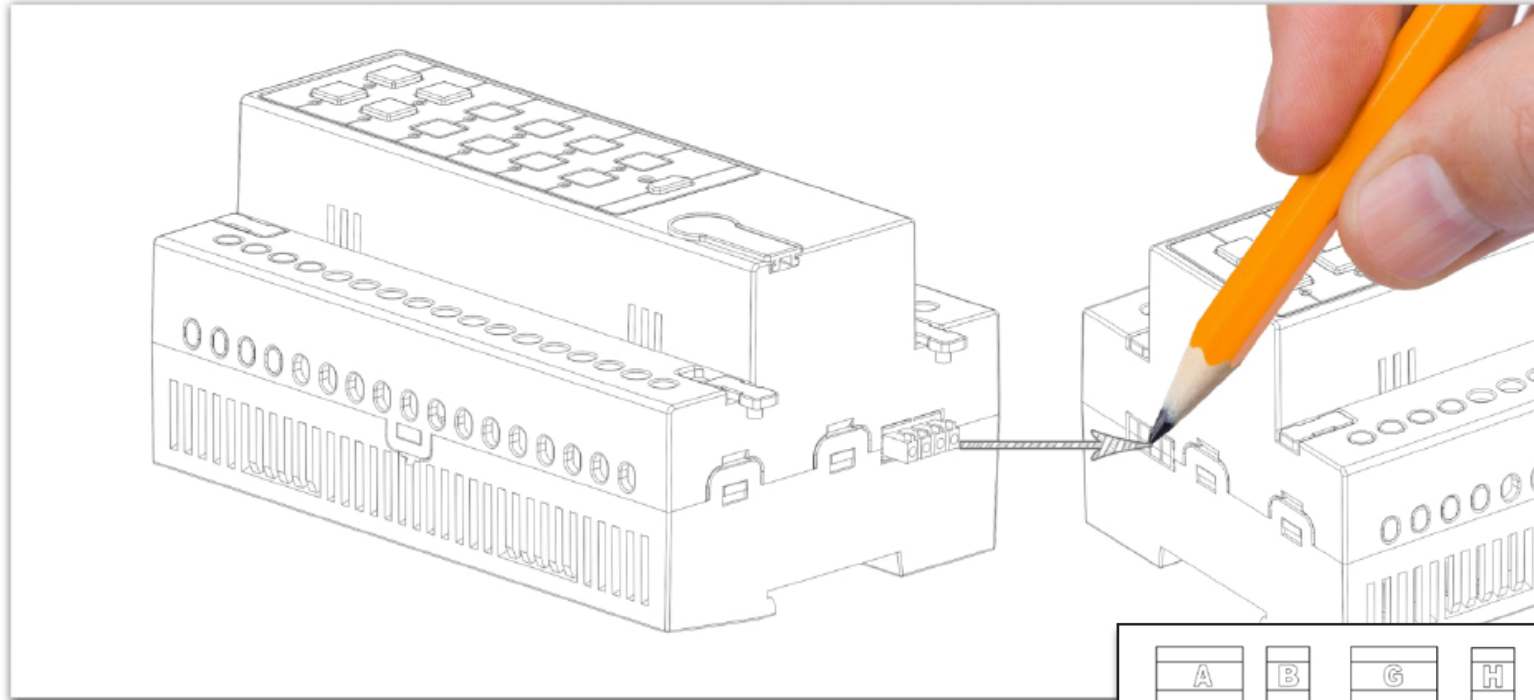


# Communication and Integration Bridges





# The Magic Of Smart-Bus





## 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	720,000.00
Maximum HVAC Modules	60,000.00
Maximum Addressable Sensors	250,000.00
Maximum RS-232/485/IP Bridges	60,000.00
Maximum Hotel GRMS	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 Integratibility	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






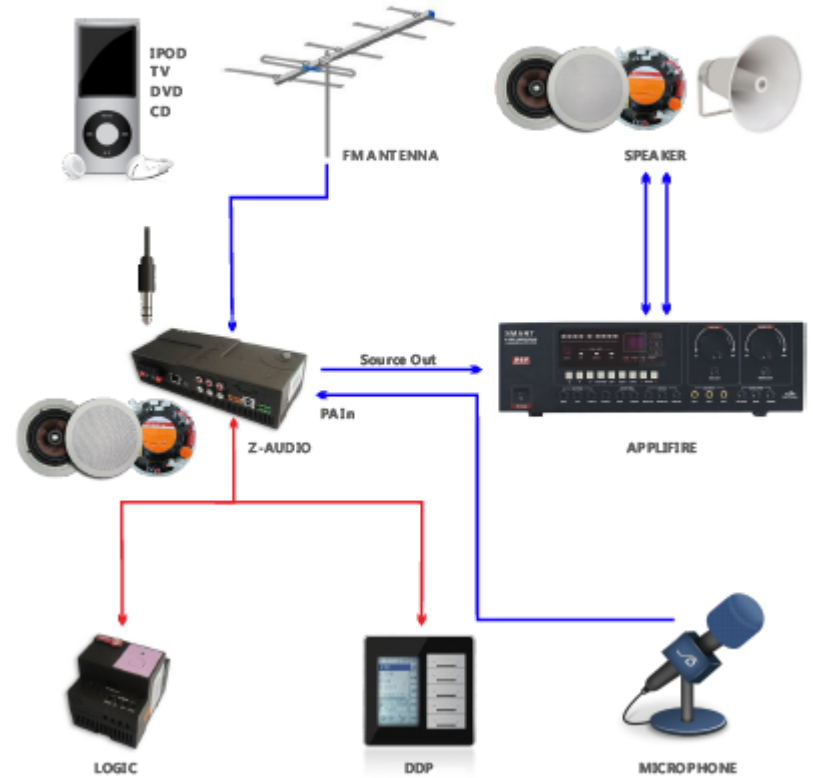
## Connection Diagram

CABLES	
	LAN
	S-BUS
	A/V



## Z-Audio Diagram

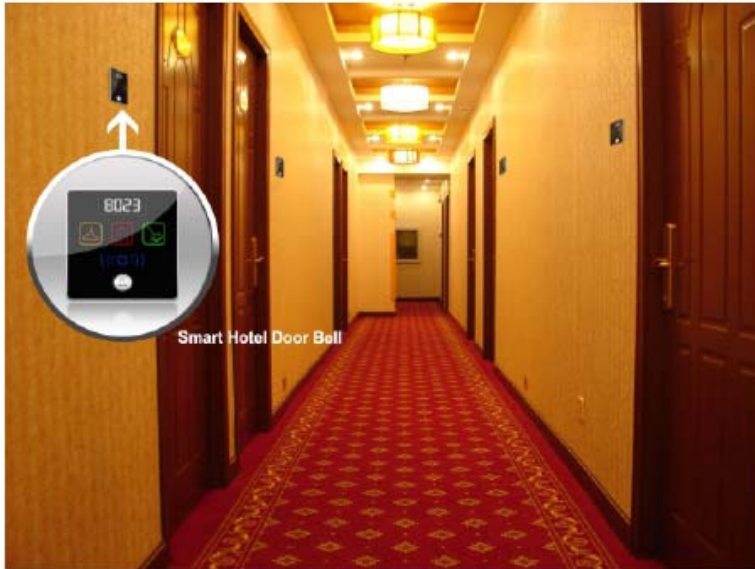
CABLES	
	LAN
	S-BUS
	A/V





# Solutions that Smart-G4 Can Provide

# Smart-Hotel



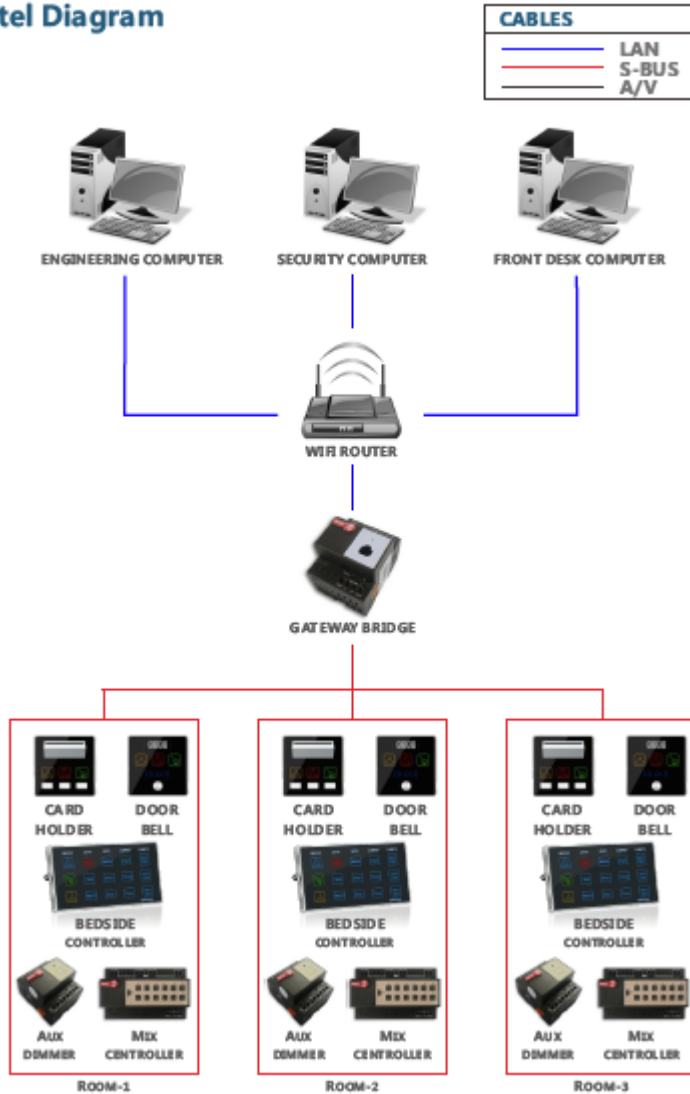
↓Hotel DDP Menu



↓Hotel Service

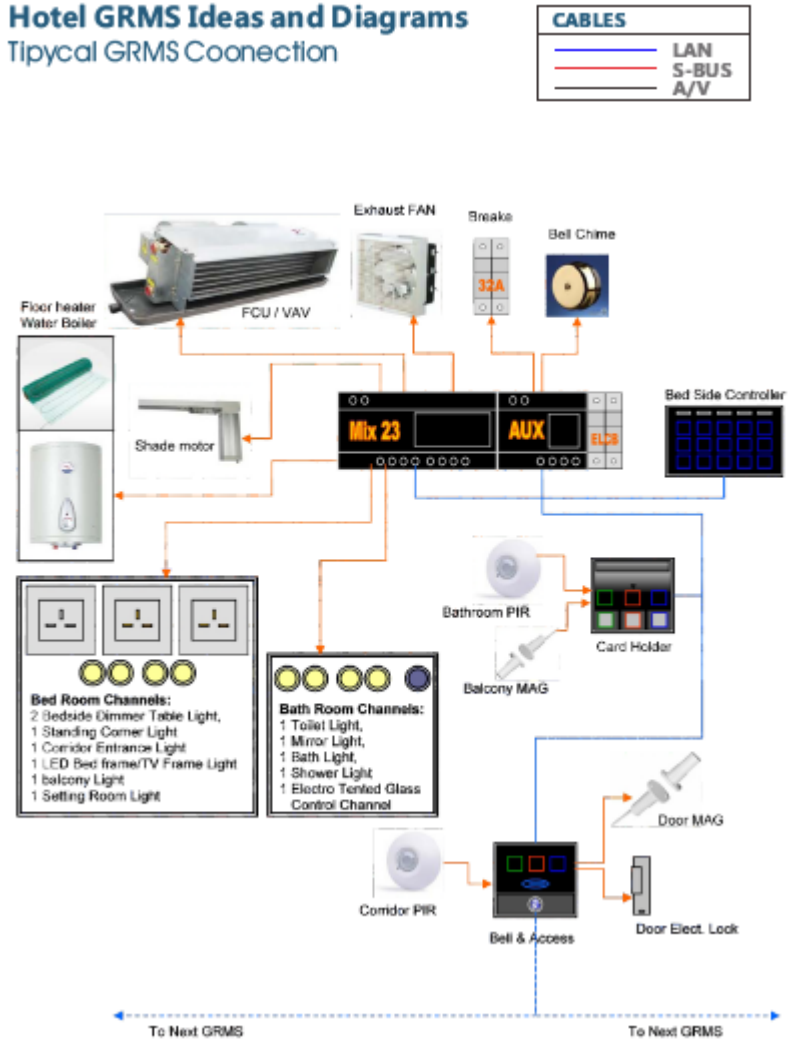


# Hotel Diagram



# Hotel GRMS Ideas and Diagrams

## Typical GRMS Connection



# Green & Smart Building



Energy-conserving  
And Environment-protective  
**SMART-BUS** Climate Control



## **G4** 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 Decrease time Noise Pollution during its Installation)
- 5-Warn about User created Infiltration (forgetting 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 these three make the Replacement time and costs much lesser.







Showroom  
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SMART Office  
**04 3431323**

**SMARTHOME**  
GROUP

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

[www.zone-audio.com](http://www.zone-audio.com)

[www.resound.me](http://www.resound.me)

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

[www.smart-supplier.com](http://www.smart-supplier.com)

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







Research And Development



PCB Microscope



Production Lines



Wave Soldering Machine



SMT



Warehouse

