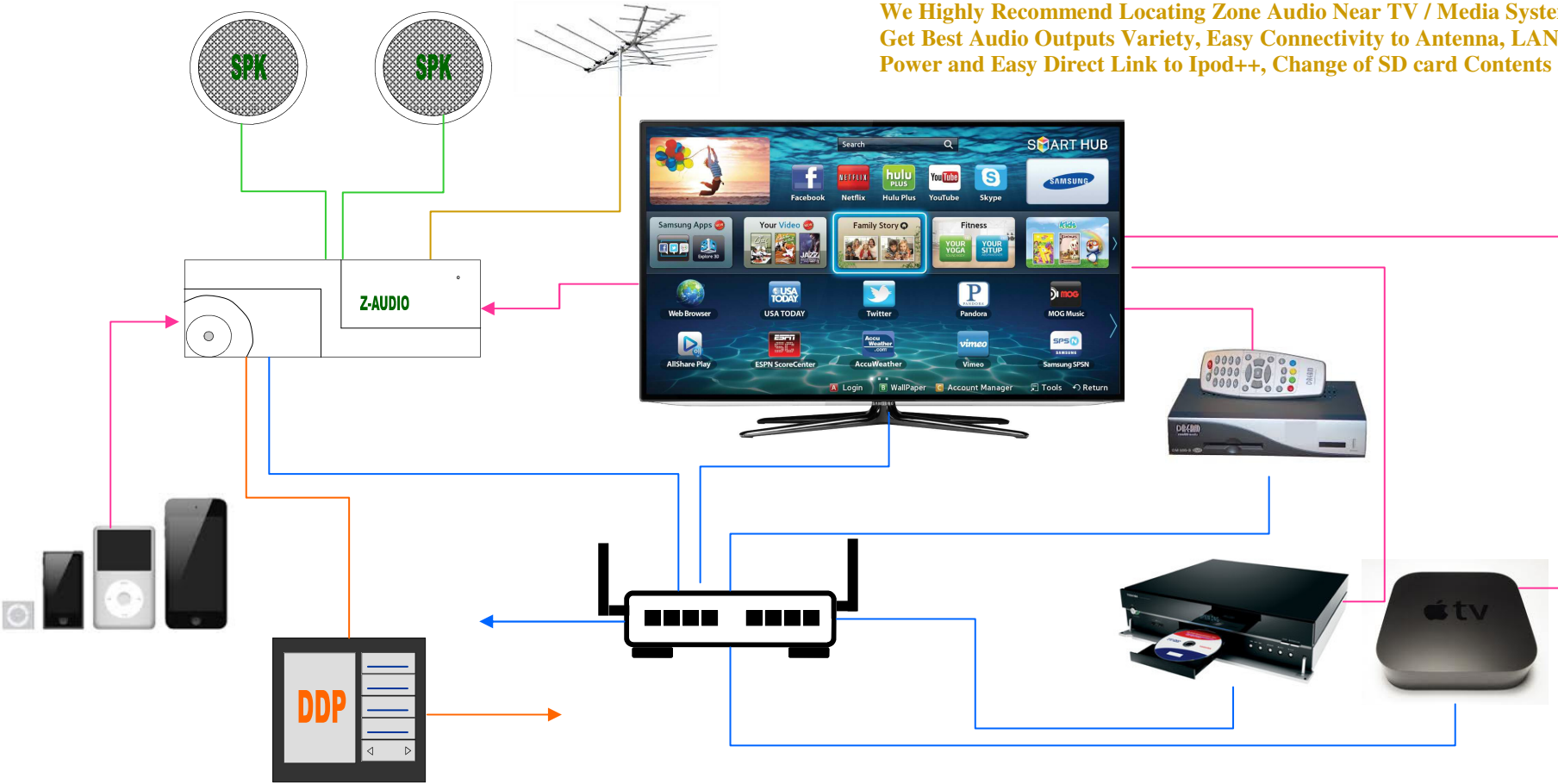


We Highly Recommend Locating Zone Audio Near TV / Media System to Get Best Audio Outputs Variety, Easy Connectivity to Antenna, LAN, Power and Easy Direct Link to Ipod++, Change of SD card Contents ...etc.



Cables Type Legend

- Speaker Cable
- Cat6 LAN Cable
- Cat5e BUS Cable
- CAT5 Control Cable
- Electrical Cables
- AV Cable/ HDMI
- Coaxial Cable

Single-Zone Audio Connection Topology



SmartHome-BUS System & Low Current

Connection Topology & Details

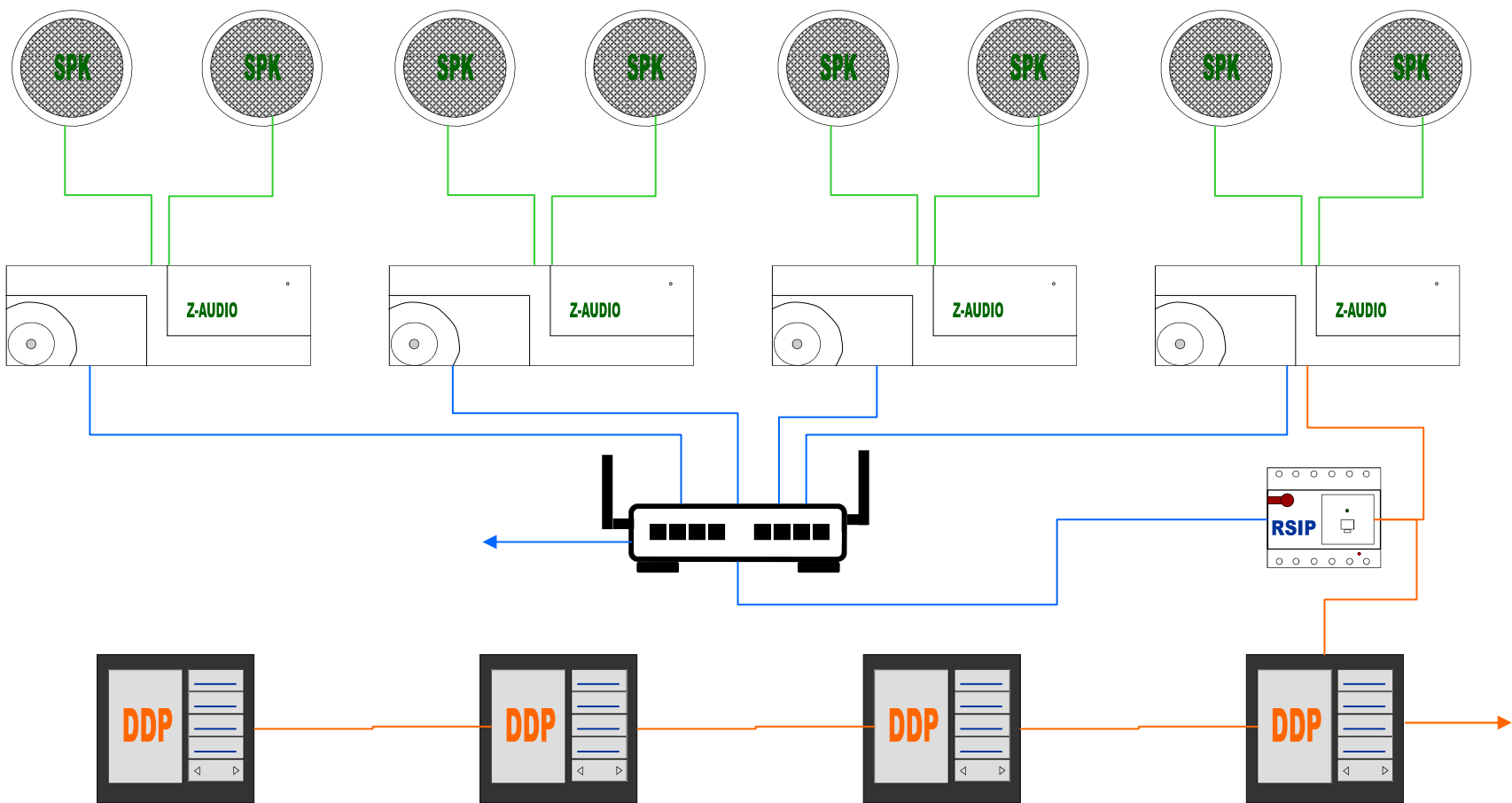
Audio/ Entertainment Systems

Rev. 6.0

Date 22-Jun-2013

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SMART-BUS



Cables Type Legend

- Speaker Cable
- Cat6 LAN Cable
- Cat5e BUS Cable
- CAT5 Control Cable
- Electrical Cables
- AV Cable/HDMI

Multi-Zone Audio Connection Topology



SmartHome-BUS System & Low Current

Connection Topology & Details

Audio/ Entertainment Systems

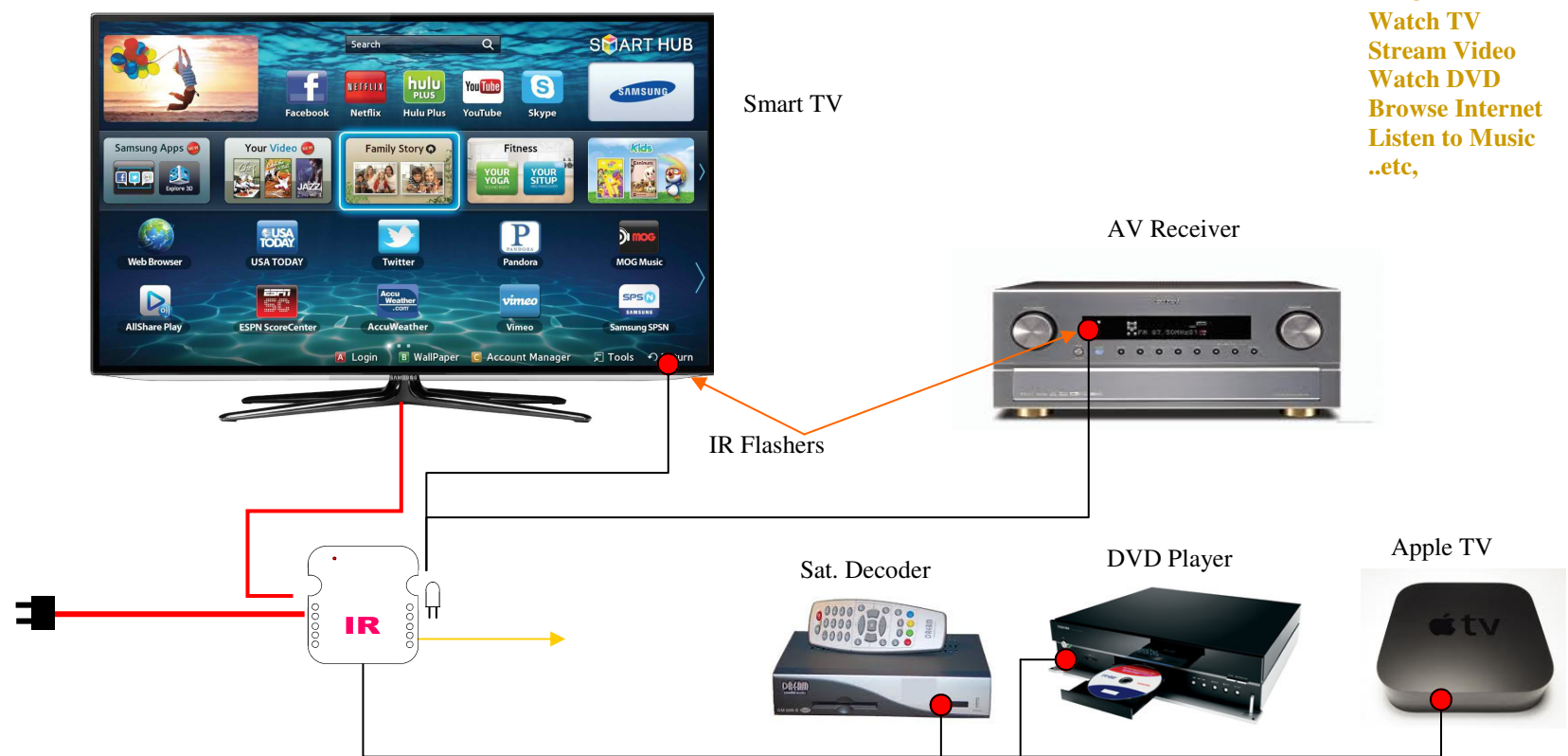
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SMART-BUS

Many Moods & Macros:
All On /
All Off
Watch TV
Stream Video
Watch DVD
Browse Internet
Listen to Music
..etc,



Cables Type Legend

	Speaker Cable
	Cat6 LAN Cable
	Cat5e BUS Cable
	Stranded IR Cable
	Electrical Cables
	AV Cable/ HDMI
	Coaxial Cable

IR Macro Module Connection Topology



SmartHome-BUS System & Low Current

Connection Topology & Details

Audio/ Entertainment Systems

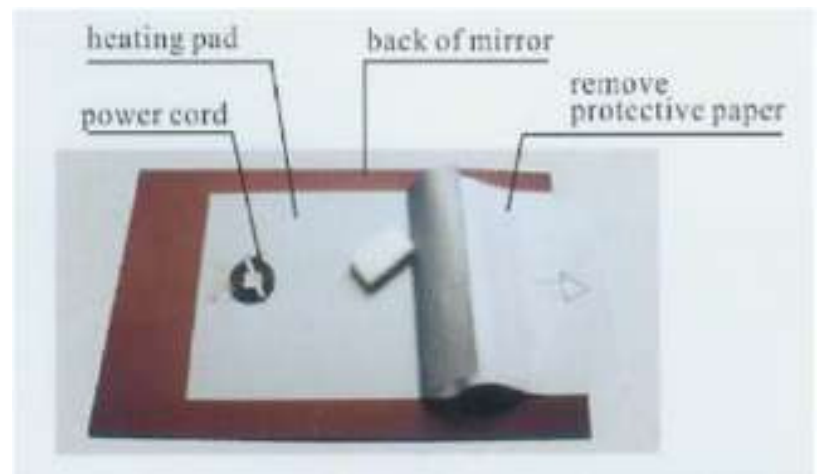
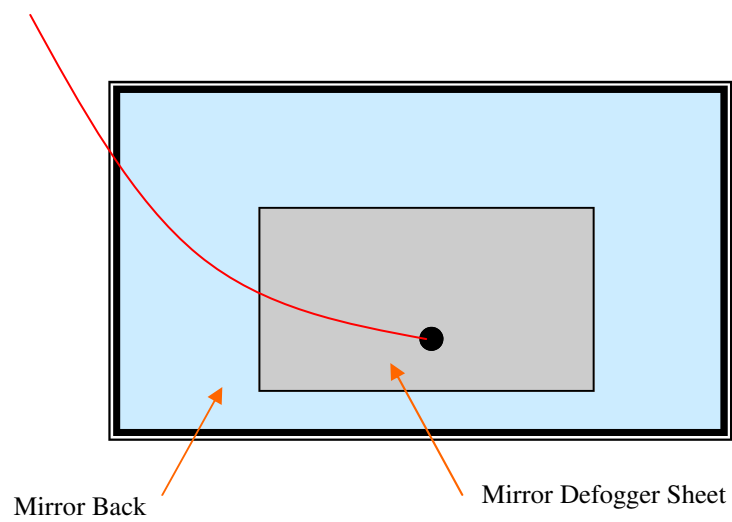
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SMART-BUS

Connect to 220V of Light Channel / Relay



Cables Type Legend

	Speaker Cable
	Cat6 LAN Cable
	Cat5e BUS Cable
	CAT5 Control Cable
	Electrical Cables
	AV Cable/HDMI

Mirror Defogger Connection Topology



SmartHome-BUS System & Low Current

Connection Topology & Details

Control and Comfort Systems

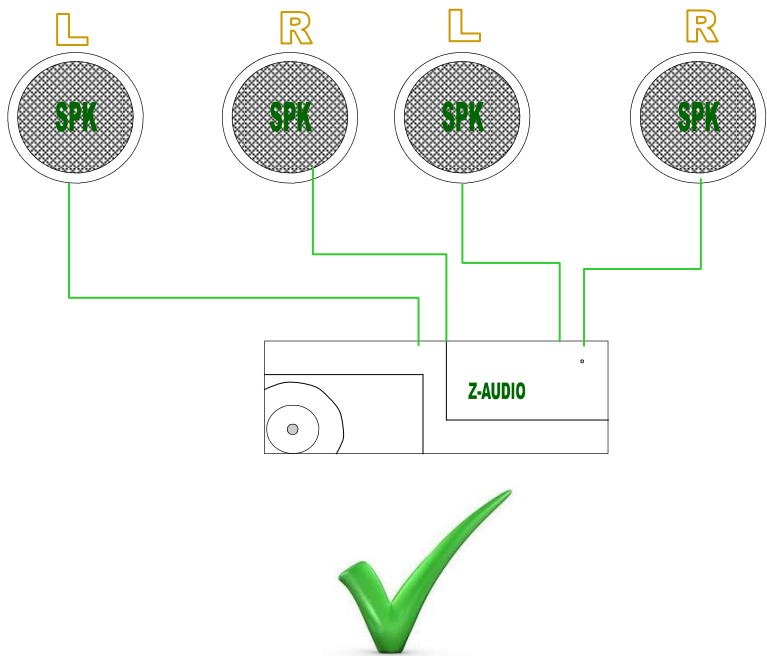
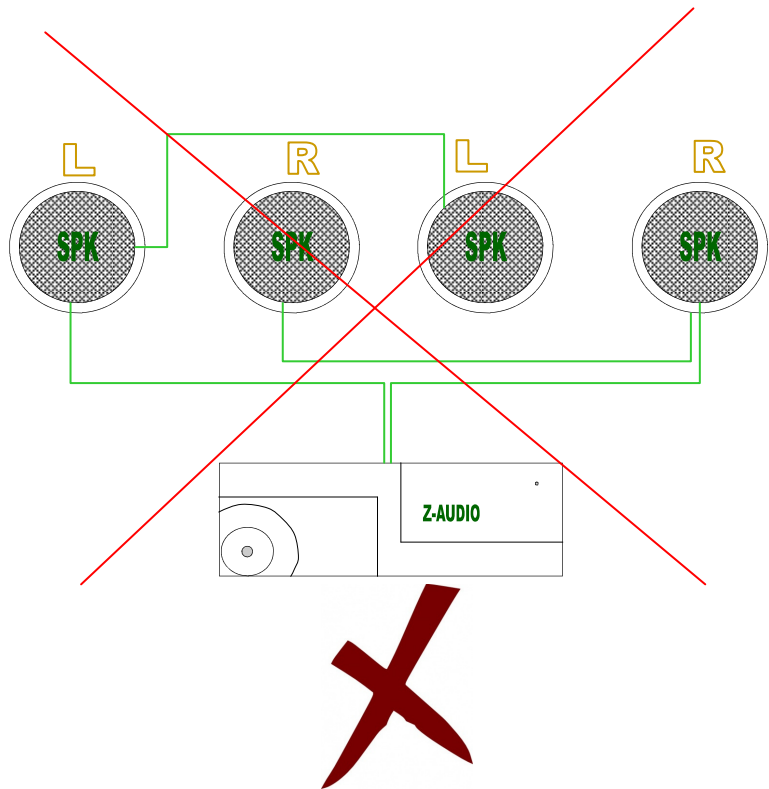
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SMART-BUS

Note: The Zone-Audio System is 8Ohm System, thus It is Recommended to use 8-Ohm Matching impedance Speakers. Accordingly in Case more than 2 Speakers are connected, we recommend as Below for Easy Calculation.



Cables Type Legend

- Speaker Cable
- Cat6 LAN Cable
- Cat5e BUS Cable
- CAT5 Control Cable
- Electrical Cables
- AV Cable/ HDMI
- Coaxial Cable

Way To Connect 4 Speakers to Z-Audio



SmartHome-BUS System & Low Current

Connection Topology & Details

Audio/ Entertainment Systems

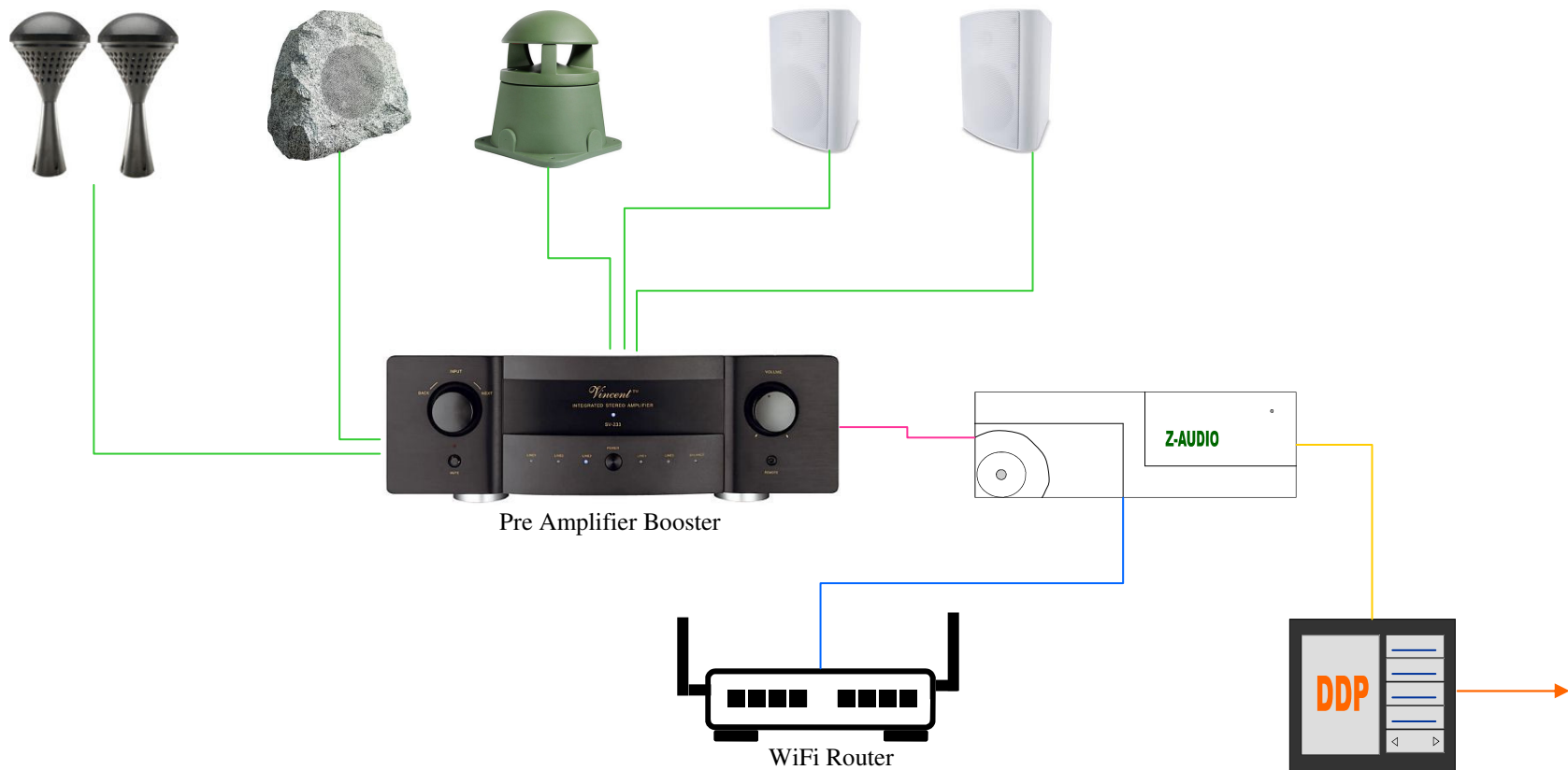
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SMART-BUS

Garden Speakers



Cables Type Legend

- Speaker Cable
- Cat6 LAN Cable
- Cat5e BUS Cable
- CAT5 Control Cable
- Electrical Cables
- AV Cable/HDMI

Garden-Zone Audio Connection Topology



SmartHome-BUS System & Low Current

Connection Topology & Details

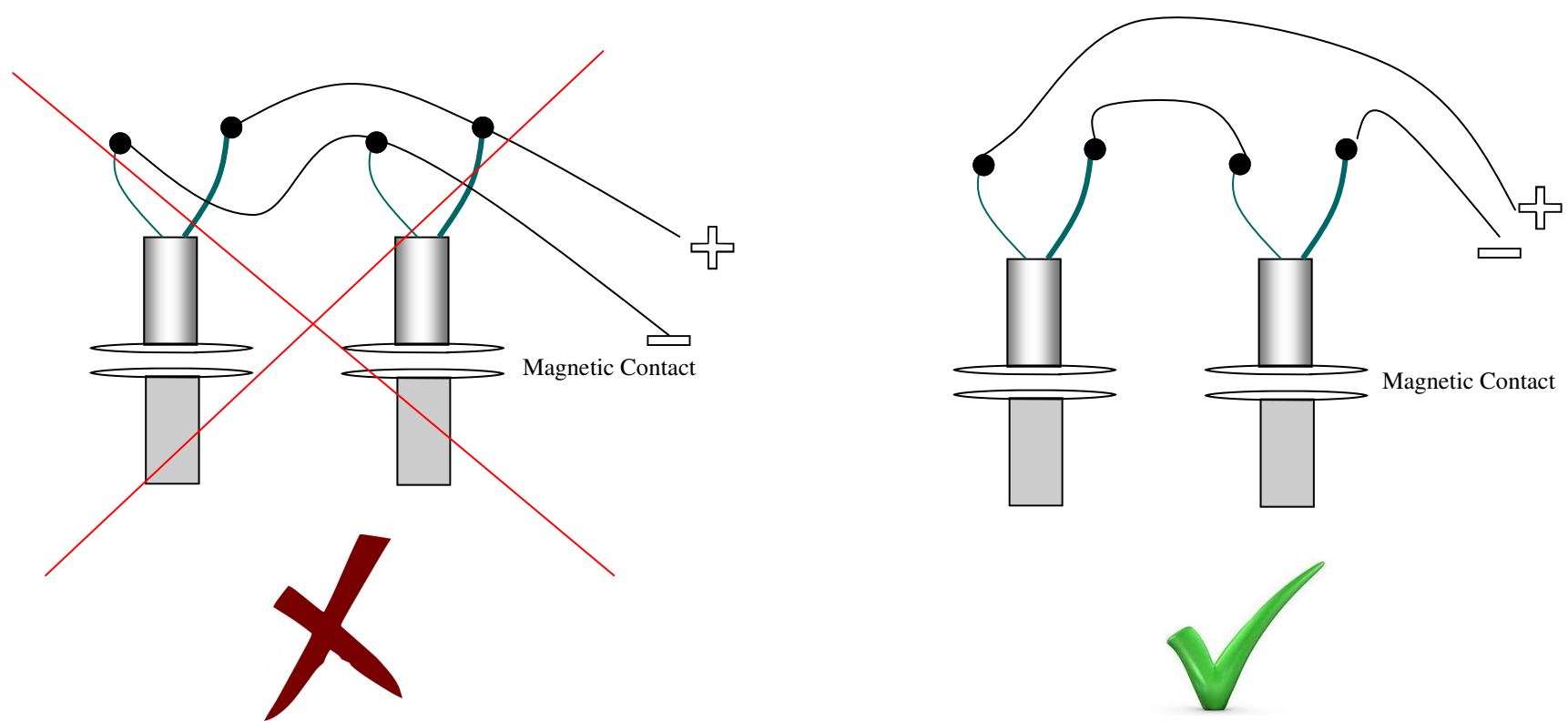
Audio/ Entertainment Systems

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SMART-BUS



Cables Type Legend	
	Speaker Cable
	Cat6 LAN Cable
	Cat5e BUS Cable
	CAT5 Control Cable
	Electrical Cables
	AV Cable/ HDMI
	Coaxial Cable



Multi Magnetic Contacts Connection on Single Zone

SmartHome-BUS System & Low Current

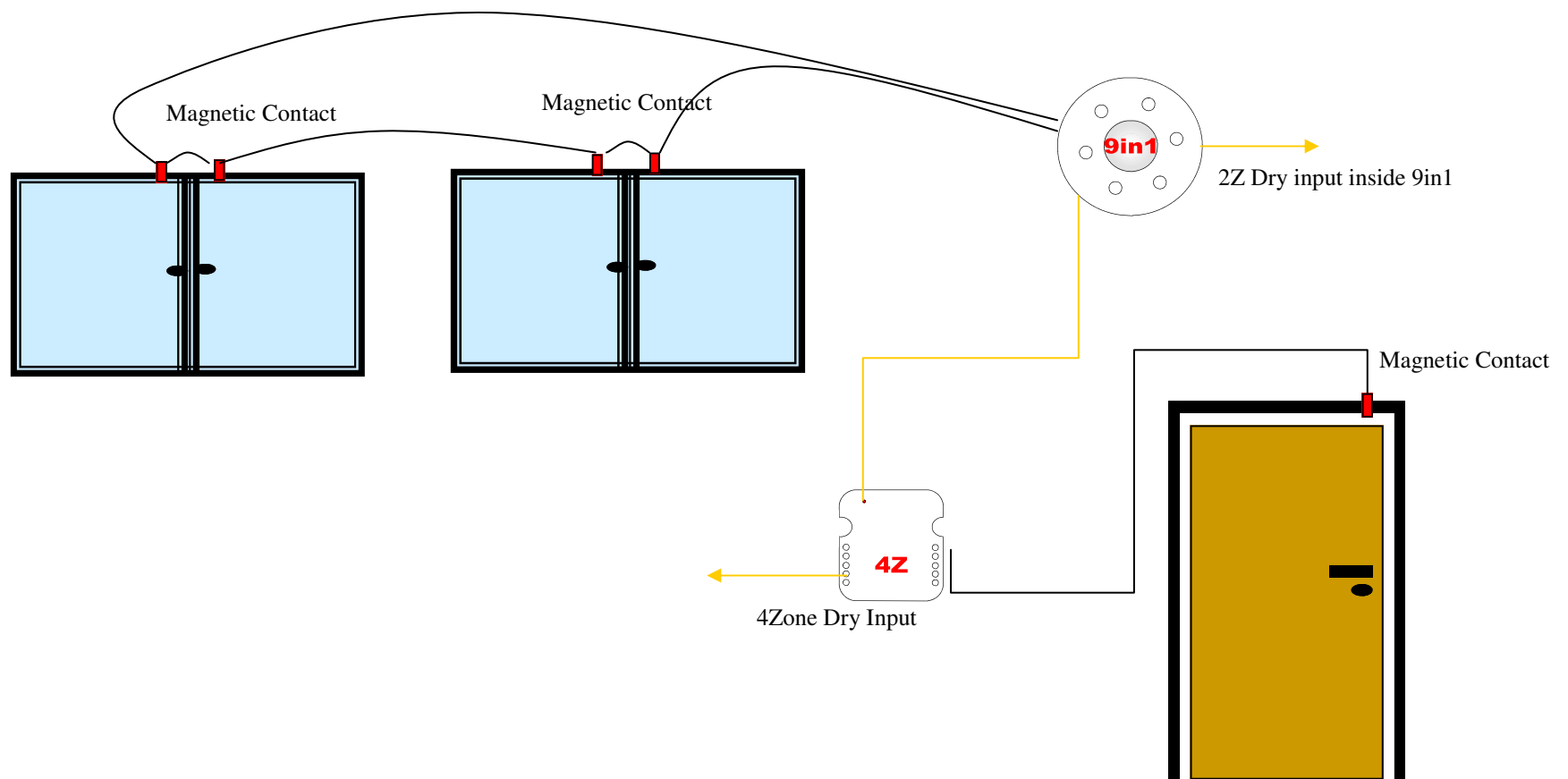
Connection Topology & Details

Security and Monitoring Systems


Rev. 6.0 Date 22-Jun-2013

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S



Cables Type Legend	
	Speaker Cable
	Cat6 LAN Cable
	Cat5e BUS Cable
	CAT5 Control Cable
	Electrical Cables
	AV Cable/HDMI



Connecting Mags to 2Z of 9in1, or 4Z Topology

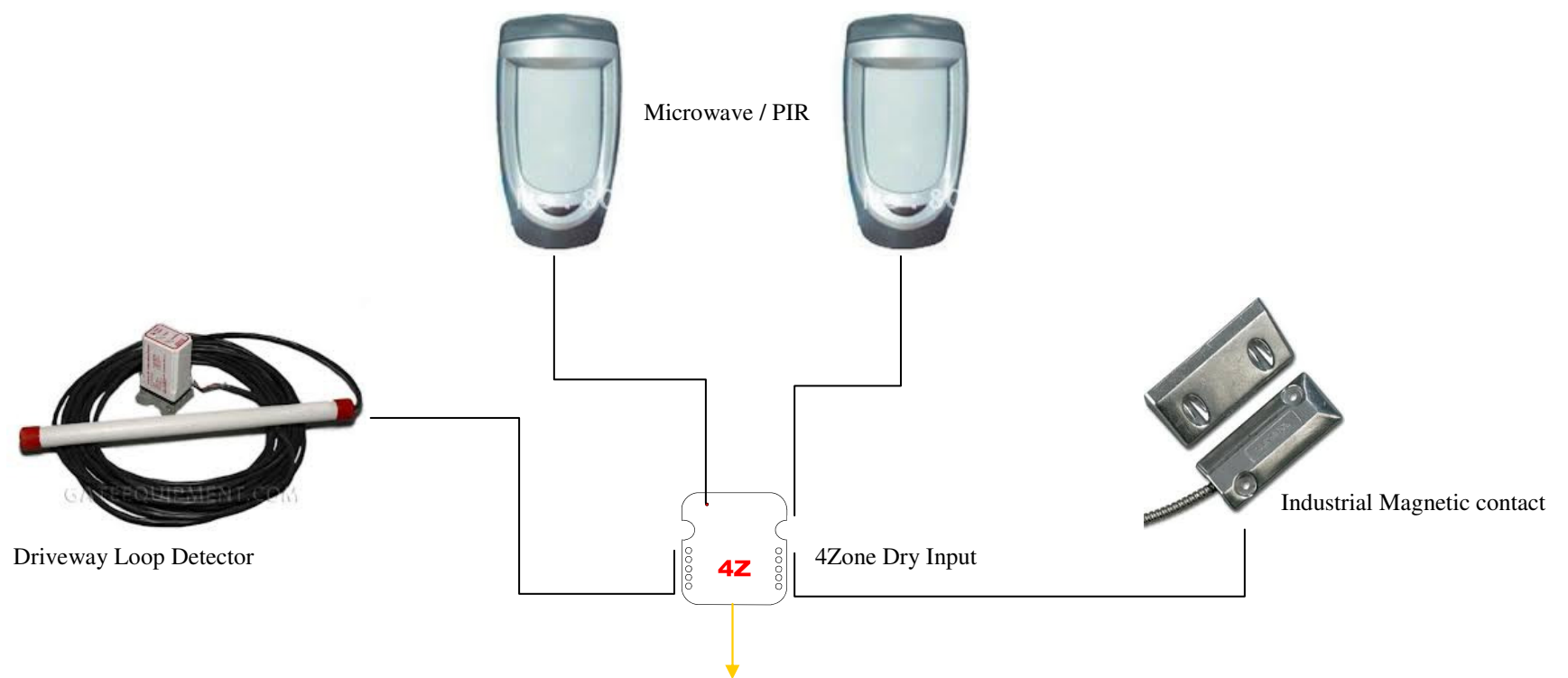
SmartHome-BUS System & Low Current

Connection Topology & Details

Security and Monitoring Systems

Rev. 6.0 Date 22-Jun-2013

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Cables Type Legend

	Speaker Cable
	Cat6 LAN Cable
	Cat5e BUS Cable
	CAT5 Control Cable
	Electrical Cables
	AV Cable/ HDMI
	Coaxial Cable

Outdoor Sensors Connection to 4Z



SmartHome-BUS System & Low Current

Connection Topology & Details

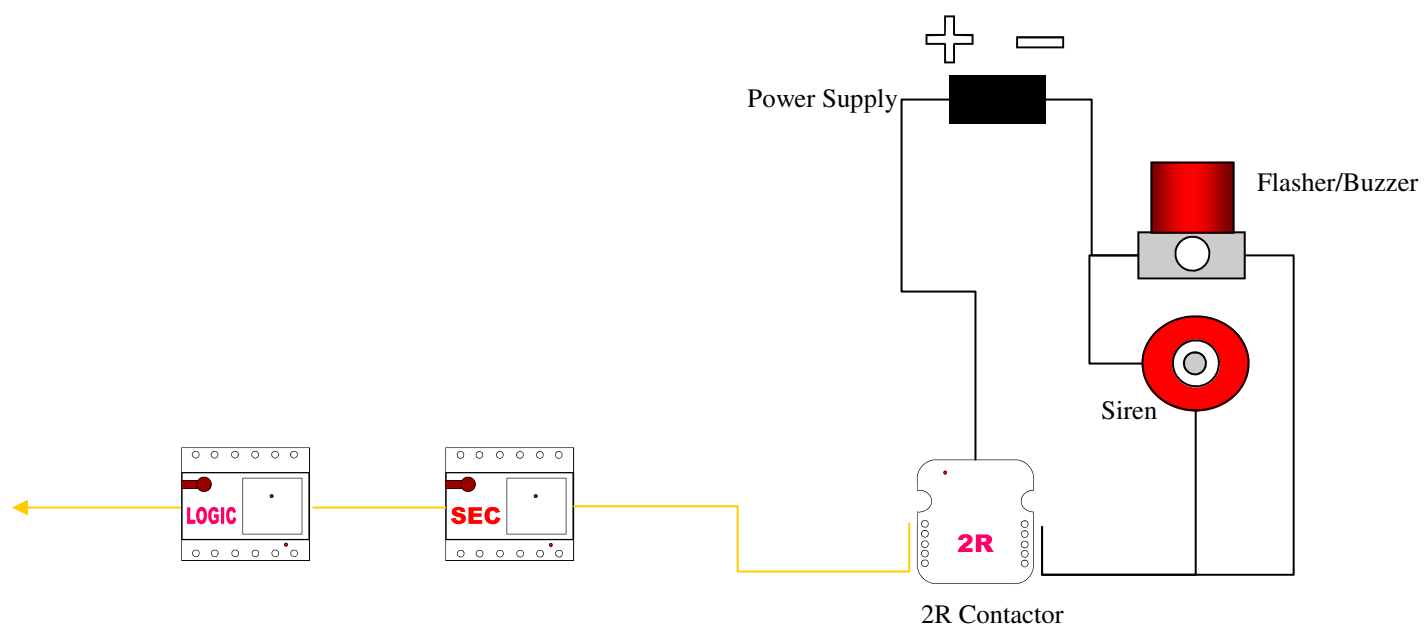
Security and Monitoring Systems

Rev. 6.0

Date 22-Jun-2013

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SMART-BUS



Cables Type Legend

	Speaker Cable
	Cat6 LAN Cable
	Cat5e BUS Cable
	CAT5 Control Cable
	Electrical Cables
	AV Cable/HDMI

Siren/Flasher to Security/Logic Topology



SmartHome-BUS System & Low Current

Connection Topology & Details

Security and Monitoring Systems

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SMART-BUS



Wireless Alert Siren/Activator

Inground Pool Guard Eye Illustration



SmartHome-BUS System & Low Current

Connection Topology & Details

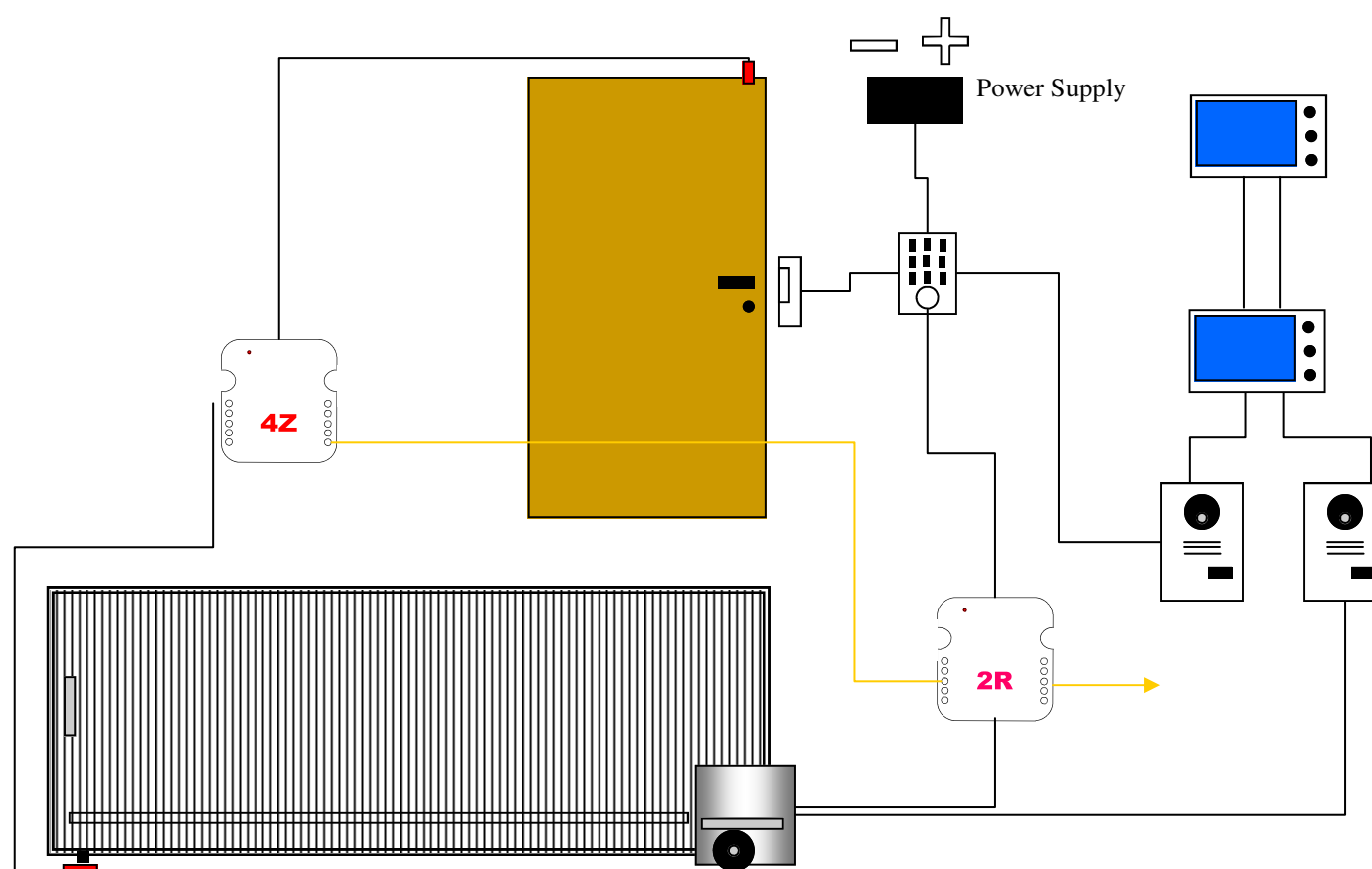
Security and Monitoring Systems

Rev. 6.0

Date 22-Jun-2013

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SMART-BUS



Cables Type Legend

- Speaker Cable
- Cat6 LAN Cable
- Cat5e BUS Cable
- CAT5 Control Cable
- Electrical Cables
- AV Cable/HDMI

Outdoor Access Systems: Intercom, Keyless, Gate



SmartHome-BUS System & Low Current

Connection Topology & Details

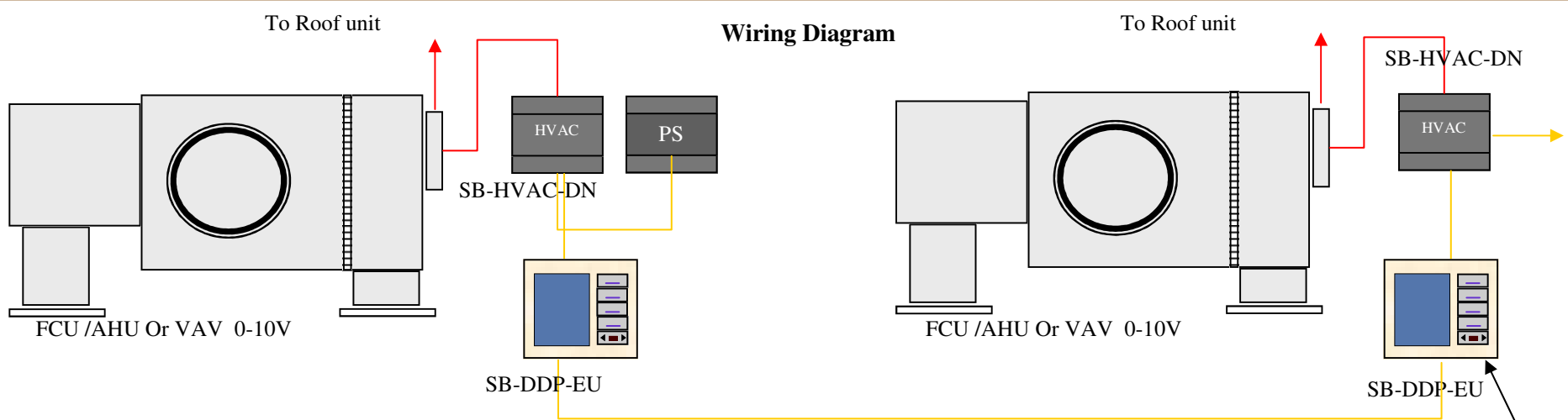
Security and Monitoring Systems

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SMART-BUS

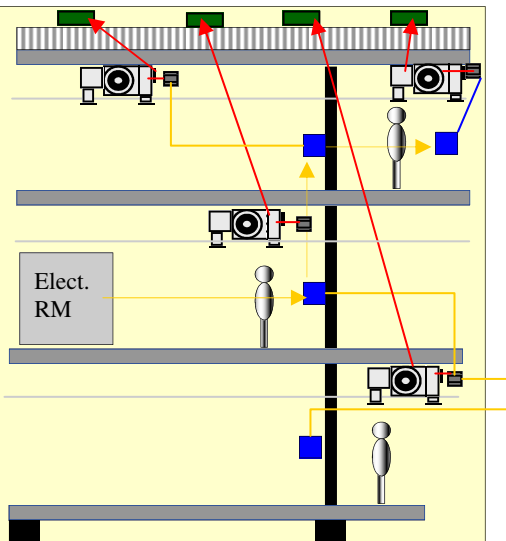


User Interface: Temperature Control Wall Panels

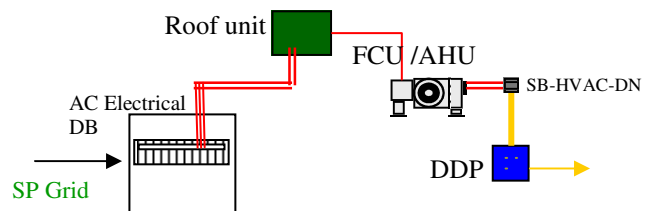
Note: Installing the SB-HVAC-DN is Similar to Any Standard Normal Thermostat available in Market. It Has Multi Speed fan relays, Heat, Cool, 0-10V. Also It Accept Pass Through Either 12V, 24V, 110V, 230V Systems

Floor RISER Illustration

****Pls. Wire As if you are Locating Thermostat Direct Next to FCU/AHU. Exactly Like Using Standard 5 to 8 Wire Relay Thermostat Type**



SCHEMATICS



*Normal Direct Connection of HVAC Power Control Wires
*Topology for BUS Wires: Looping, Star or Grid all OK

HVAC - VAV Connection Topology



SmartHome-BUS System & Low Current

Connection Topology & Details

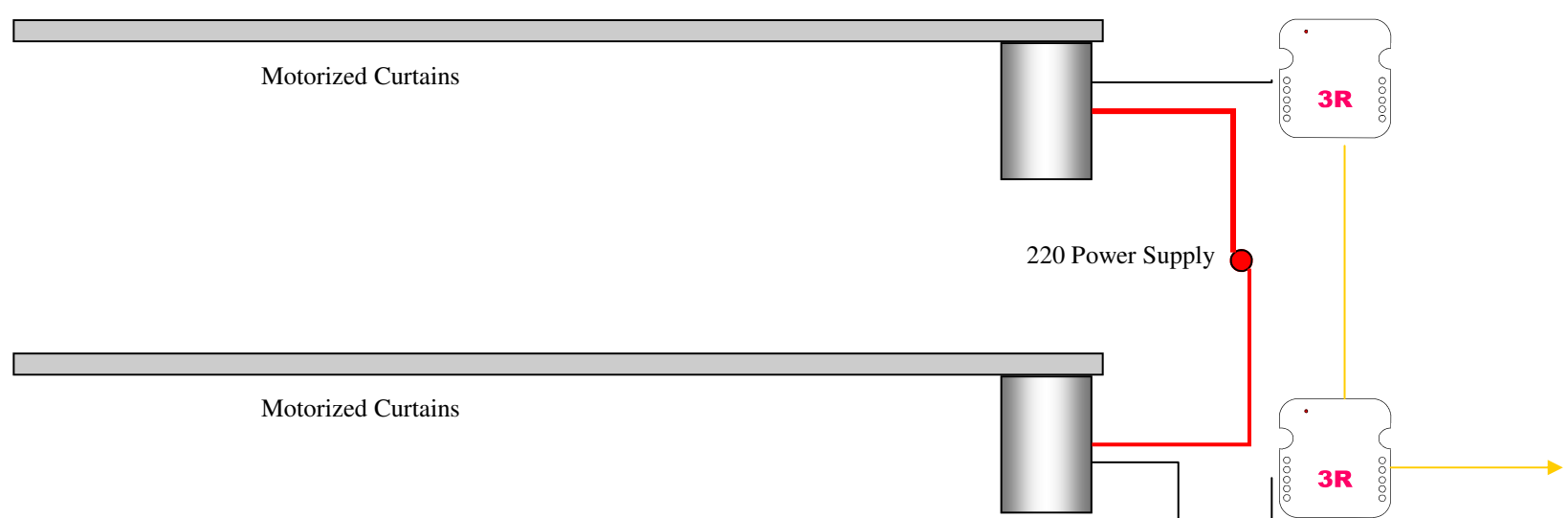
Climate Control Systems

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SMART-BUS



Cables Type Legend

—	Speaker Cable
—	Cat6 LAN Cable
—	Cat5e BUS Cable
—	CAT5 Control Cable
—	Electrical Cables
—	AV Cable/HDMI

Somfi Motorized Curtain Control Connection to SBUS



SmartHome-BUS System & Low Current

Connection Topology & Details

Motor Control Systems

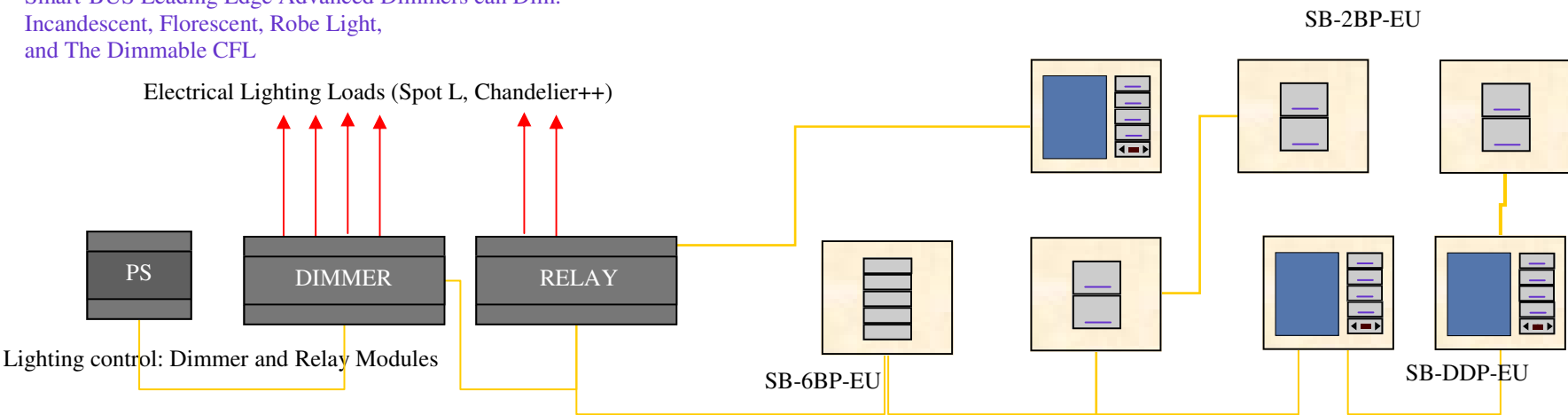
Rev. 6.0

Date 22-Jun-2013

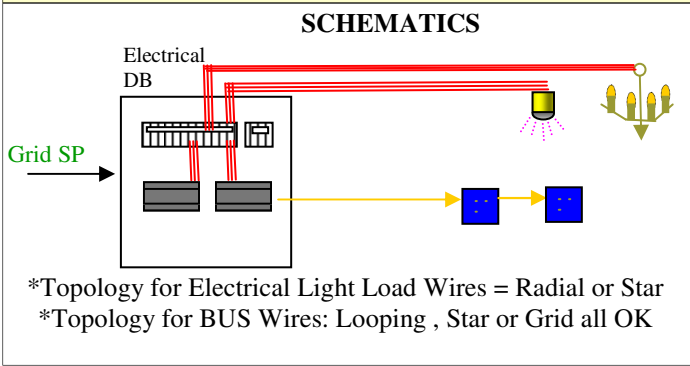
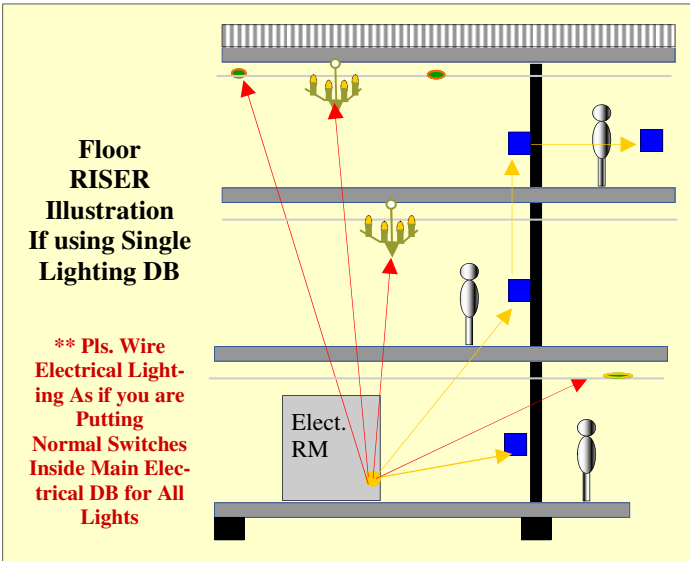
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SMART-BUS

Smart-BUS Leading Edge Advanced Dimmers can Dim:
Incandescent, Florescent, Robe Light,
and The Dimmable CFL



User Interface: Lighting Control Wall Panels



Lighting Controls Connection Topology



SmartHome-BUS System & Low Current

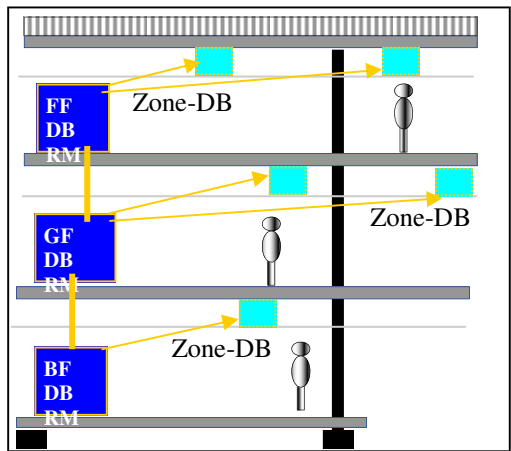
Connection Topology & Details

Lighting/Dimming Control Systems

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Less JB:

Less Junction Boxes Advantage, Zone DB Act as Junction Box Now



Zone DB:

Can Distribute Lighting Loads, HVAC, Security, Audio, Shades, Access, GRMS DDP's and Switches, Touch Controls and More.. (All These Are Savings compared to Star Topology Conventional System)



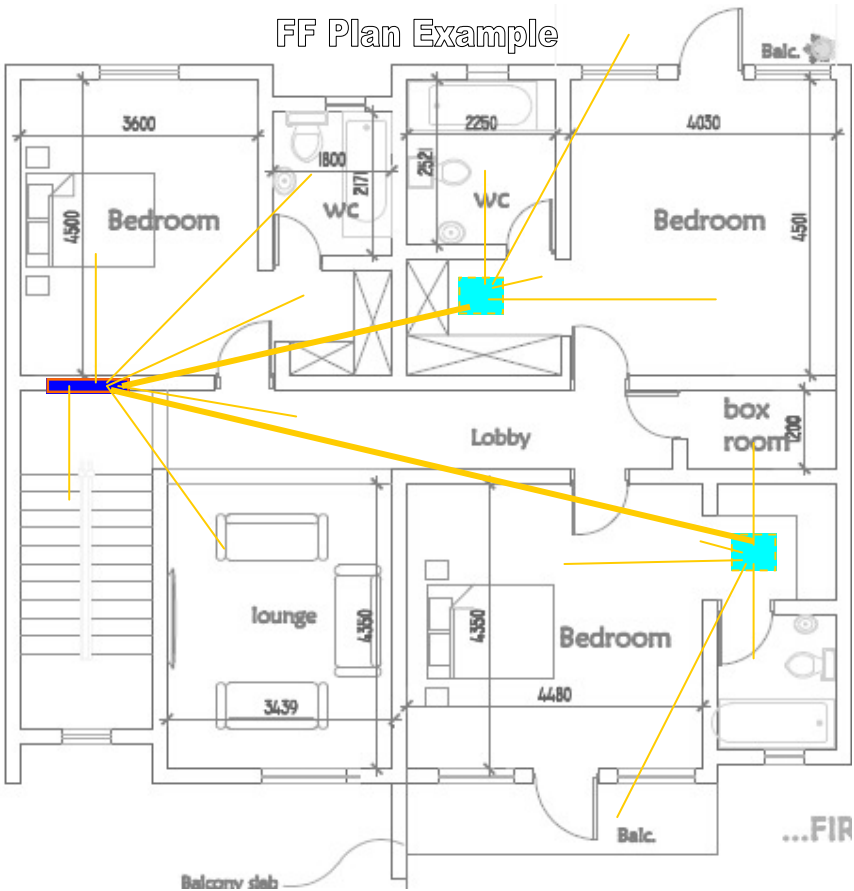
Main DB:

Can Distribute All Zone DB Items and Do More Central Functions for:

Telephone, Intercom, Data Network, Satellite, and VOD Media Streaming.

UPS System Central and More

FF Plan Example



Cables Type Legend

- Speaker Cable
- Cat6 LAN Cable
- Cat5e BUS Cable
- CAT5 Control Cable
- Electrical Cables
- AV Cable/HDMI

Mini Zone-DB and DB to DB connection Topology



SmartHome-BUS System & Low Current

Connection Topology & Details

Motor Control Systems

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Date 22-Jun-2013

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