

„ Music was my first love. And it will be my last.
Music of the future. And music of the past.“ John Miles

WHD



AUDIO DESIGN 2011

EXAMPLE/WIRING DIAGRAMS

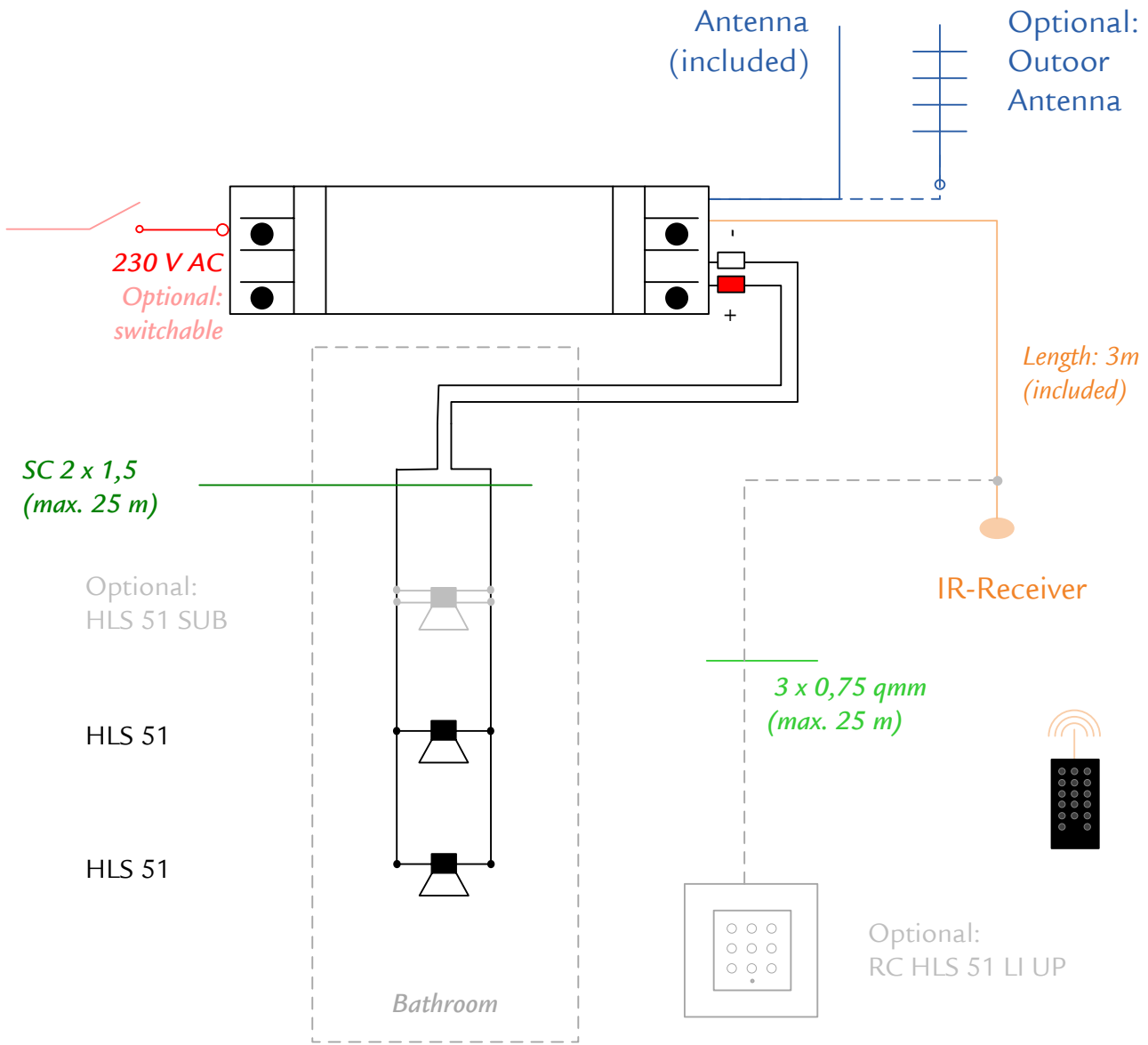
FROM DAILY LIFE TO EXCLUSIVE
LIVING

1. SINGLE ROOM SOLUTION WITH RADIO

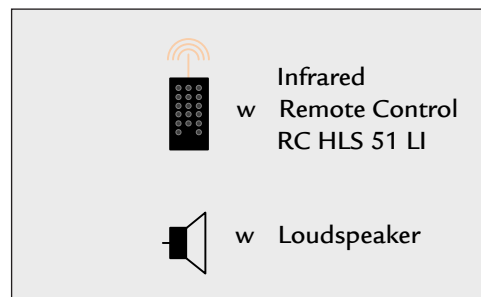
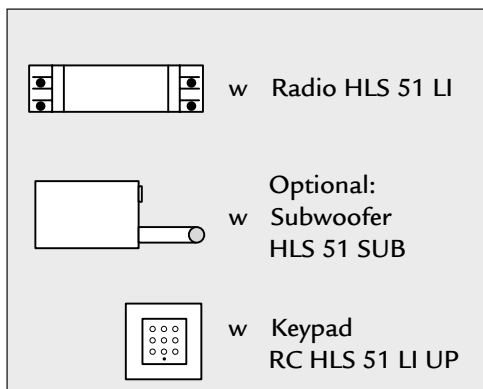
Example

Device	Quantity	Comments
HLS 51 Radio	1	
Remote control	1	
Halogen spotlight speaker HLS 51-20 (white/chrome) plus halogen spotlight fixing ring	2	maximum 5 speakers can be connected
Total Amount		
Accessories		
Control Unit RC HLS 51 LI UP for switch ranges, including 50 mm-adapter and switch frame subwoofer HLS 51 sub plus halogen spotlight ring		maximum 2 halogen spotlight speakers can be connected
Alternative speakers		
Compact speaker UP 10-8 (white/silver)		maximum 2 speakers can be connected
Total Amount		
Speaker cable mount and connect		
Sub total		

Wiring diagram



Symbols

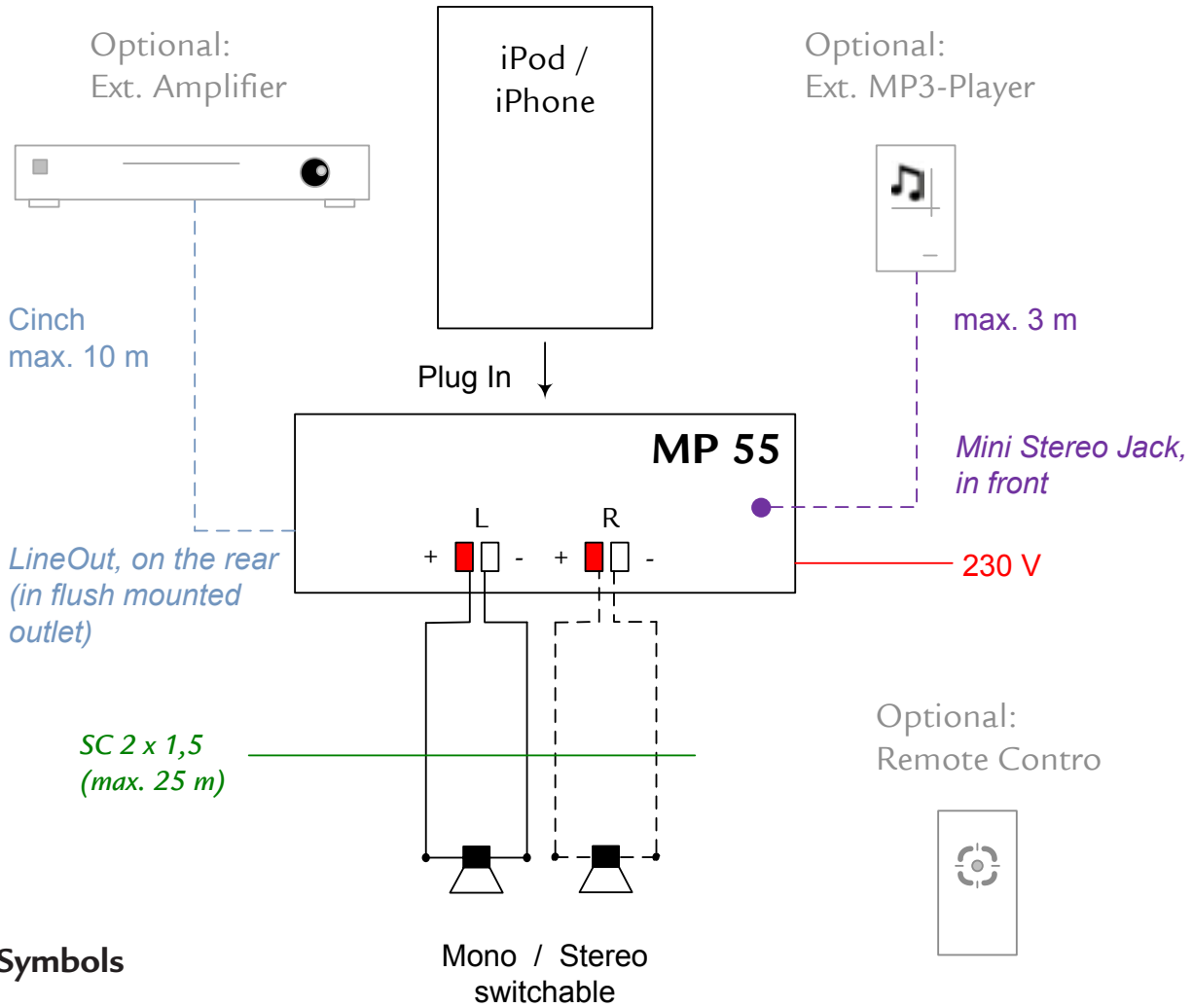


2. SINGLE ROOM SOLUTION FOR MP3 PLAYER



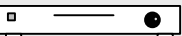


Example

Device	Quantity	Comments
Under development		
Musicport MP 55 (white/black) plus switch frame	1	
M/R 240-8 Basic (white/black)	2	maximum 2 speakers can be connected per channel
Total Amount		
updating of the equipment		
Musicport MP 55 (white/black) plus switch frame	1	
KEL 55 music (white/black) plus switch frame	1	maximum 1 speaker can be connected per channel
Total Amount		
Accessories		
RC MP 55 remote control		
Total Amount		
Speaker cable mount and connect		
Sub total		

Wiring diagram



Symbols



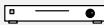

	MP 55 UP
	Optional: RC TP 55
	Amplifier
	MP3-Player
	Loudspeaker





3. HOME MULTI-ROOM COMPLETE SOLUTION

Example

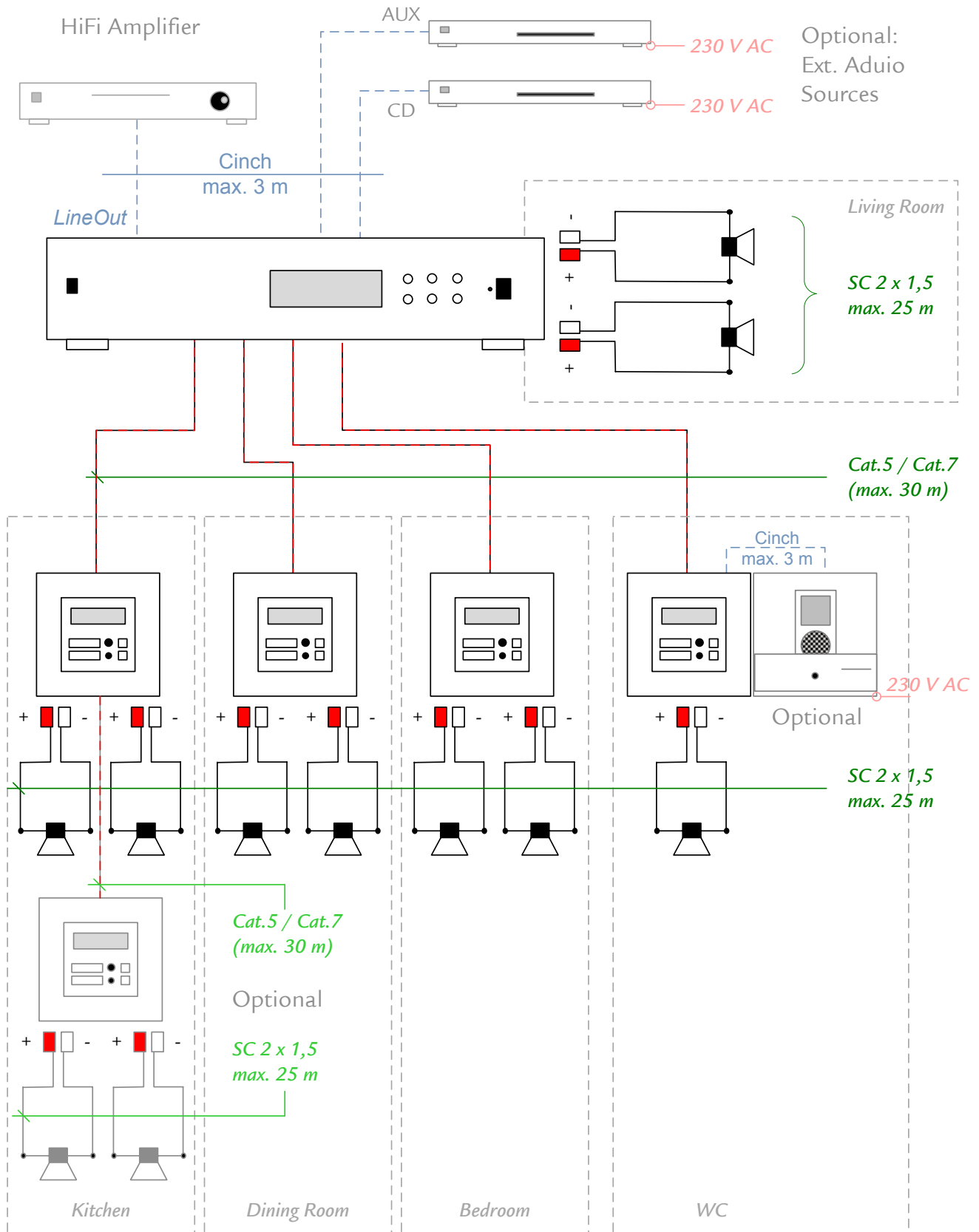
Device	Quantity	Comments
Living room		
Central unit DAM 4000 Basic	1	
Design speaker M/R 240-8 Basic (white/black)	2	maximum 2 speakers can be connected per channel
WC		
Operating unit DAM Basic IR plus switch frame	1	
Design speaker M/R 240-8 Basic (white/black)	2	maximum 2 speakers can be connected per channel
Bedroom		
Operating unit DAM Basic IR plus switch frame	1	
Design speaker M/R 240-8 Basic (white/black)	2	maximum 2 speakers can be connected per channel
Kitchen		
Operating unit DAM Basic IR plus switch frame	1	
Design speaker M/R 240-8 Basic (white/black)	2	maximum 2 speakers can be connected per channel
Dining room		
Operating unit DAM Basic IR plus switch frame	1	
Design speaker M/R 240-8 Basic (white/black)	2	maximum 2 speakers can be connected per channel
Total Amount		
Accessories		
RC MP 55 remote control		
Audio source CT 100		
Musicport MP 55 (white/black)		
Alternative speakers		
UP 14/2-8		
Total Amount		
Speaker cable		
mount and connect		
Sub total		

Symbols

	Audio Source CT 100
	Central Unit DAM 4000 Basic
	Amplifier
	DAM Basic IR

	IR-Remote Control RC DAM Basic
	Loudspeaker
	Antenna
	Optional MP 55

Wiring diagram

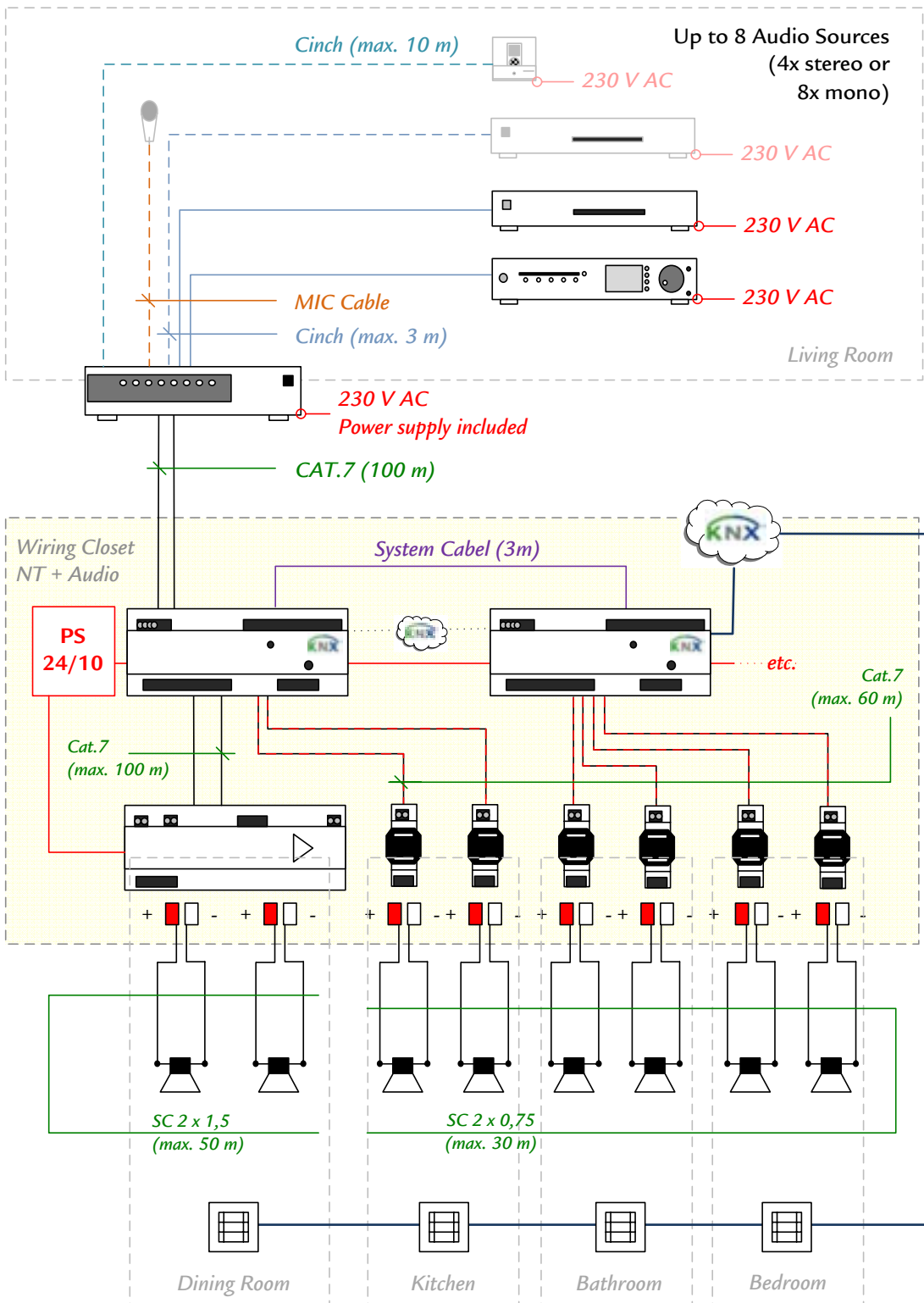


4. SMART HOMES & BUILDINGS WITH KNX

Example

Device	Quantity	Comments
Distribution center		
Preamplifier Preamp 800	1	
Audio actuator AM 840	2	PA for 4 zones per actuator
AMP 10 DC HS	15	
Power supply PS 24/10	1	0.4 A power consumption per AMP 10 DC HS (with 8 Ohm speaker)
Zone 1, kitchen		
KNX switch		depends on the switch range
Design speaker M/R 240-8	2	
Zone 2, dining room		
KNX switch		
Design speaker M/R 240-8	2	
Zone 3, sitting room		
KNX switch		
Design speaker M/R 240-8	4	
Zone 4, hall		
KNX switch		
Design speaker M/R 240-8	3	
Zone 5, bad		
KNX switch		
Design speaker M/R 240-8	2	
Zone 6, bedrooms		
KNX switch		
Design speaker M/R 240-8	2	
Zone 7		
Zone 8		
Total Amount		
Accessories		
Audio source CT 100		
Musicport MP 55		
Stereo amplifier AMP 250		2 x 50 W and loudness function for even better sound and higher volume, current consumption 2.5 A (to 8 ohm speakers)
Alternative speakers		
R 240 LED-8 Controller		
R 240 LED-8 Slave		
Total Amount		
plus cable, installation and programming		
Sub total		

Wiring diagram



Symbols

	w Audio Source CT 100
	w Audio Server
	w Preampifier PREAMP 800

	w MP 55
	w Audioaktuator AM 840
	w Stereoampifier AMP 250

	w Amplifier AMP 10 DC HS
	w Power Supply PS 24/10
	w KNX Switch

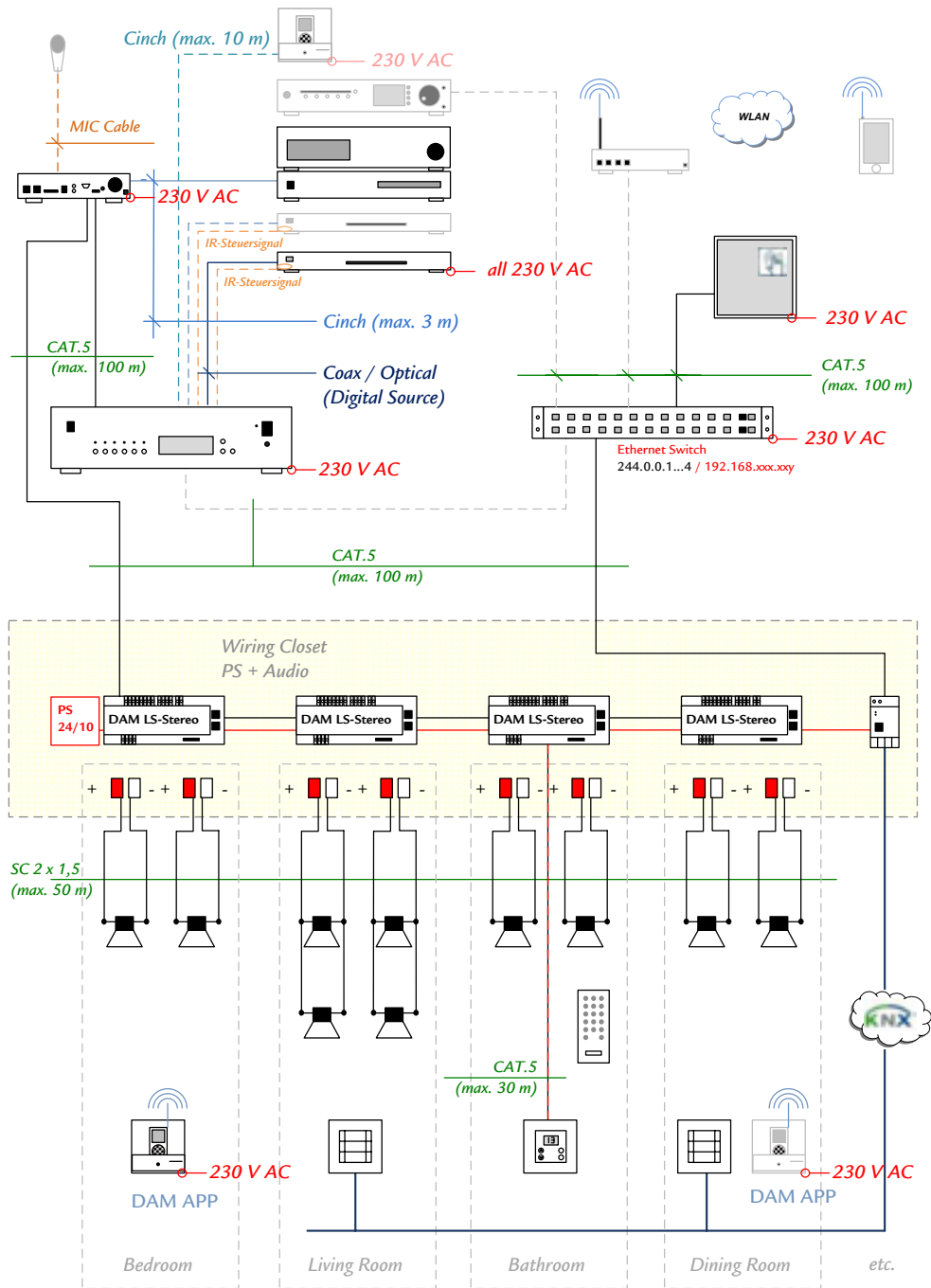
	w Loudspeaker
	w Microphone

5. MULTI-ROOM SOLUTION WITH KNX AND ETHERNET NETWORK

Example

Device	Quantity	Comments
Distribution center		
DAM 6000	1	
DAM LS stereo	4	
Power supply PS 24/5	1	1,25 A per DAM LS necessary (to 8 Ohm speakers)
Zone 1, bad		
DAM IR	1	
M/R 240 HQ	2	maximum two 8 ohm speakers connected per channel
Zone 2, bedrooms		
Musicport MP 55	1	Control unit connected to iPhone DAM-APP
KNX switch	1	as an additional operating unit Price depends on the switch range
M/R 240 HQ	2	
Zone 3, floor/stairs		
M/R 240 HQ	3	
Zone 4, sitting room		
KNX switch	1	
M/R 240 HQ	4	
Zone 5, dining room		
Musicport MP 55	1	
M/R 240 HQ	2	
Zone 6, kitchen		
M/R 240 HQ	2	
Total Amount		
Accessories		
DAM IR		
DAM RC 6000 remote control		
DAM LI		
Musicport MP 55		
DAM iPhone App		
Alternative speakers		
R 240 LED-8 Controller		
R 240 LED-8 Slave		
Total Amount		
plus cable, installation and programming		
Sub total		

Wiring diagram



Zone 1 254

Symbols

	w Audio Source CT 100
	w Audio Server
	w Home Cinema Amplifier
	w Central Unit DAM 6000
	w DAM Local Input Module DAM LI

	w MP 55
	w Speaker Module DAM LS (stereo)
	w DAM KNX-LINK Gateway
	w KNX Switch
	w DAM Basic IR

	w DAM RC 6000
	... Ethernet-Switch n x 100BaseT, managebar
	w WLAN Access Point
	w iPod Touch/iPhone
	w TouchScreen

	w Loudspeaker
	w Power Supply
	w Microphone

6. RETROFIT/RENOVATION, WIRELESS SOLUTIONS

Example

Device	Quantity	Comments
Example 1: iPod/iPhone on wireless speakers		
Transmitter JACKPORT-Wireless	1	fits for iPod/iPhone or any other audio source with integrated amplifier, plus power supply
Wireless speaker Mini 4-Wireless	1	
Total Amount		

Example 2: iPod/iPhone on stereo system

Transmitter JACKPORT-Wireless	1	fits for iPod/iPhone or any other audio source
Wireless receiver WR 2.4	1	AUX interface for any external amplifier integrated, external power supply included
Total Amount		

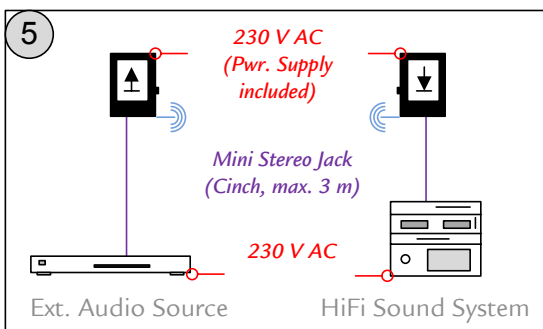
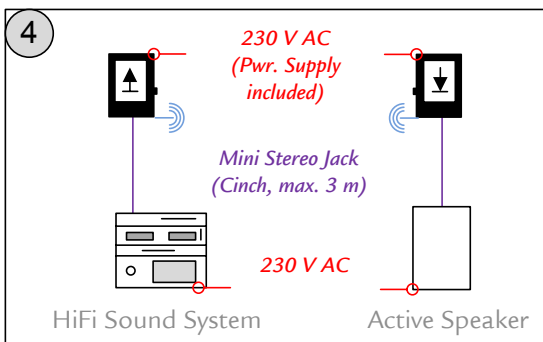
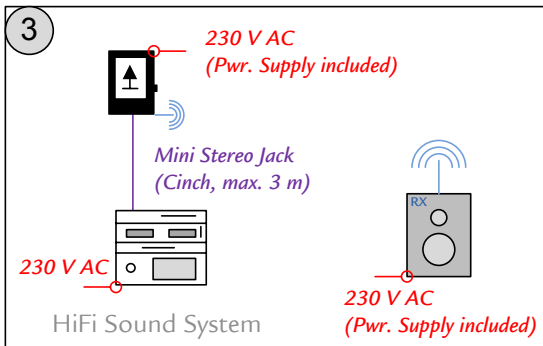
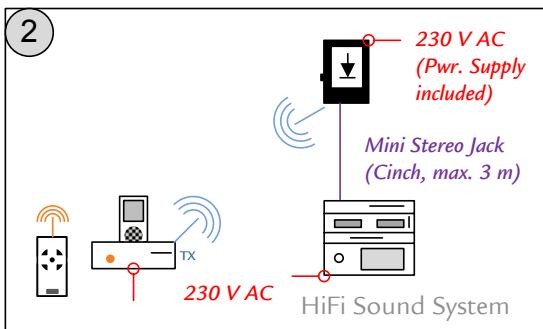
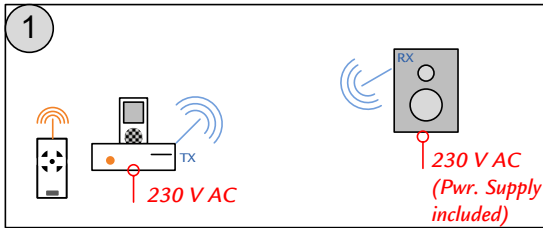
Example 3: from Hi-Fi sound system to Mini 4 Wireless

Wireless transmitter WT 2.4	1	AUX interface for any external amplifier integrated, external power supply included
Wireless speaker Mini 4-Wireless	1	
Total Amount		

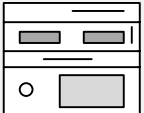



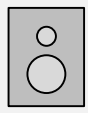




Example 4: from any audio source into a Hi-Fi sound system

Wireless transmitter WT 2.4	1	AUX interface for any external amplifier integrated, external power supply included
Wireless receiver WR 2.4	1	AUX interface for any external amplifier integrated, external power supply included
Total Amount		
mount and connect		
Sub total		

Wiring diagram



Symbols

	HiFi Sound System
	Audio Source
	JACKPORT Wireless
	Remote Control TP 55
	Mini 4 Wireless
	Wireless Transmitter WT 2.4
	Wireless Receiver WT 2.4
	Wireless
	IR Signal

LOUDSPEAKER

Device	Quality of sound
Spot speakers	
Halogen spotlight speaker HLS 51-20 (white or chrome)	★
Subwoofer HLS 51 SUB	★★
UP-speaker	
Control speaker KEL 55 Music	★
Built-in speaker	
Compact speaker UP 10-8 (white or silver)	★★
UP 14/2-8 white	★★★
Design speaker M/R 240-8 Basic (white or black)	★★★★
M/R 240 with white, black or green glass; high grade steel; gipsium; plaster	★★★★
M/R 240-8 HQ with white, black or green glass; high grade steel; gipsium; plaster	★★★★★
R 240 LED-8 Controller	★★★★
R 240 LED-8 Slave	★★★★
Wall-mounted speakers	
WL 6/2-8	★★★
Mini 4-8	★★★★
Outdoor speaker	
IG 220-4	★★★
IG 340-LED-4	★★★★
R 1900 WPL-4	★★★★
SL 25/2-T25	★★★★
Mini 4 WP-8	★★★★
Wireless speaker	
Mini 4 Wireless	★★★★
Set	
Radio HLS 51-Set with HLS 51 speakers	★
Radio HLS 51-Set with UP 10 speakers	★★
MP 55-Set with 1 x KEL speaker	★
MP 55-Set with 2 x M 240 Basic speakers	★★★★

WHD

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